

# Woods Hole Oceanographic Institution



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## CTD Observations on the North Brazil Shelf During A Multidisciplinary Amazon Shelf SEDiment Study (AMASSEDS) November 1991

by

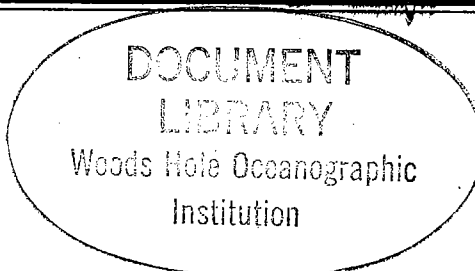
Richard Limeburner, Ivan Dias Soares, Julio Candela and Robert C. Beardsley

June 1992

## Technical Report

Funding was provided by the National Science Foundation through  
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A handwritten signature in cursive script, reading "James Luyten", is written over a horizontal line.

**James Luyten, Chairman**  
Department of Physical Oceanography



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**Abstract**

Hydrographic (CTD) and acoustic Doppler current profiler (ADCP) observations were made on the North Brazil shelf adjacent to the mouth of the Amazon River during R/V *Iselin* cruise I9113 November 5-25, 1991 as part of A Multidisciplinary Amazon Shelf SEDiment Study (AMASSEDS). These observations were obtained during a large-scale survey on Leg 3 in support of geological and geochemical sampling, and during a frontal zone survey on Leg 4 consisting of 14 and 26 hourly CTD casts at anchored stations. The maximum sampling depth at each station was within two meters of the bottom.

The primary objectives of the AMASSEDS hydrographic measurement program were (a) to observe and characterize the temperature, salinity, density, oxygen, fluorescence and light transmission fields and their spatial variability on the north Brazilian shelf directly influenced by the Amazon River discharge, (b) to resolve the seaward extent and vertical structure of the surface plume of low salinity Amazon River water during different stages of river discharge, (c) to describe the spatial structure of the turbidity and associated suspended sediment distributions across the shelf, (d) to characterize the properties of the Amazon shelf water beneath the surface plume and their seasonal variability, and (e) to describe the landward penetration of the North Brazil Current with respect to water properties and shelf currents. This report represents a summary in graphic and tabular form of the hydrographic observations made during the fourth AMASSEDS cruise (I9113) on the R/V *Iselin*.





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## 1. Introduction

A Multidisciplinary Amazon Shelf SEDiment Study (AMASSEDS) is a multi-institutional international program to investigate physical, geological, geochemical and biological processes within the Amazon dispersal system. The primary objective of AMASSEDS is to understand the sedimentary processes on the continental shelf near the mouth of the Amazon River. Previous studies of the Amazon shelf and similar environments suggest that the enormous suspended sediment load carried over the inner shelf in the local water column strongly influences other factors such as seabed morphology and biological productivity, and leads to creation of a subaqueous delta. The physical oceanographic component of AMASSEDS is directed toward understanding circulation and boundary layer processes on the Amazon shelf. The primary objectives are (a) to measure and characterize the flow and mixing processes in the low salinity frontal zone, (b) to estimate the contributions to bottom stress from subtidal motions, tidal flow, and surface waves, and (c) to quantify the cross-shelf advective and dispersive transport mechanisms. The physical oceanographic field work includes: long-term (February – May, 1990) moored measurements of wind, current, temperature and conductivity to determine tidal and low-frequency variability in the shelf flow field, density stratification, and surface and bottom stresses; a series of four large-scale hydrographic surveys to map the distributions of temperature, salinity, and turbidity during different stages of river discharge; and short-term high resolution measurements of the small-scale circulation and mixing processes in the frontal zone. Satellite imagery of the sea surface is being collected to describe the synoptic distribution of near-surface suspended sediment. Finally, nine satellite-tracked drifting buoys were deployed on the four hydrographic surveys. The first survey was completed in August, 1989 during falling river discharge (Limeburner and Beardsley, 1989); the second survey was completed in March, 1990 (Limeburner and Beardsley, 1991) during rising river discharge; the third survey was completed in June, 1990 during maximum river discharge (Limeburner and Beardsley, 1991), and the fourth and last cruise was completed in November, 1991 during low river discharge. These measurements include hydrographic and current profiling with a CTD, and either a 150 or 600 kHz acoustic Doppler current profiler (ADCP) respectively.

We present here in graphic and tabular form a preliminary analysis of the CTD observations made on the North Brazil shelf on board the R/V *Iselin* during cruise I9113 November 5–25, 1991. A total of 186 CTD stations was made on I9113, and the following station summary is intended to provide a brief description of the sequence of CTD sampling during the cruise. Vertical and horizontal sections of water properties obtained from the individual transects and large-scale CTD surveys are shown in Section 7. Listings of the

CTD observations at standard depths for all stations are given in Section 8. Individual CTD casts were labelled consecutively for each leg of cruise I9113.

## CTD STATION LISTING SUMMARY

### Leg 3 — November 5–13, 1991

- Stations 1–55. Large-scale survey of the North Brazil shelf consisting of 7 cross-shelf transects to map the initial fields of temperature, salinity, sigma-t, fluorescence, optical backscattering and light transmission.

### Leg 4 — November 15–25, 1991

- Stations 1–53. Frontal zone study of the Amazon River plume consisting of hourly casts at four time series anchor stations, and other various CTD stations.
  - Station 13 – Anchor Station 1
  - Station 34 – Anchor Station 2
  - Station 38 – Anchor Station 3
  - Station 41 – Anchor Station 4

The following table cross references the archived consecutive CTD station names for each leg of cruise I9113 and the CTD station names for each leg on I9113 used in this report.

Leg	I9113 Station Number	Consecutive CTD Cast	Work Area
3	1–55	1–55	Large-scale transect
4	7–12	1–12	Across the river mouth
4	13.01–13.26	13–28	Anchor station 1
4	14–33	29–48	To open shelf transect
4	34.01–34.26	49–74	Anchor station 2
4	35–37	75–77	Open shelf transect
4	38.01–38.26	78–103	Anchor station 3
4	39–40	104–105	Open shelf transect
4	41.01–41.14	106–119	Anchor station 4
4	42–53	120–131	Across the river mouth

## 2. Instrumentation and Calibration

A Neil Brown Instrument Systems (NBIS) model MKIII CTD fish was used as the primary profiling instrument during R/V *Iselin* cruise I9113. The instrument provided continuous sampling of pressure, temperature, conductivity, fluorescence and light transmission. Salinity, density, and suspended sediment concentration were subsequently derived from the measured variables. The instrument package consisted of the MKIII CTD underwater unit mounted one meter below a General Oceanics rosette sampler with 12 five-liter Niskin bottles. A Sea Tech 5 cm pathlength transmissometer and a Sea Tech fluorometer were mounted near the CTD fish. The fast response thermistor on the CTD fish was disabled and the instrument sampled at a rate of 16 Hz. Lowering speeds were approximately 36 m/min to match the response times of the temperature and conductivity sensors (Giles and McDougall, 1986). The pressure sensor had a full scale range of 1600 db.

The CTD underwater unit was part of the R/V *Iselin*'s scientific equipment. Water samples were normally collected at each station on the upcast at a depth where the vertical stratification and suspended sediment concentration were minimal. The calibration samples were then processed onboard during the cruise using a Guildline AutoSal salinometer to determine salinity. The individual salinities were converted to *in situ* conductivity and compared to the conductivity output of the instrument. A least-squares fit of the difference between the 35 bottle and instrument conductivity calibration samples collected on Leg 3 gives

$$C(\text{Bottle}) - C(\text{CTD}) = 0.0000698 * X - 0.00388,$$

where  $X$  is the station number which varied from 1 to 131, and the sum of the squares of the residuals is  $0.00110277 \text{ (mmho/cm)}^2$ . This means that the CTD conductivity sensor drift and offset were small during the cruise and that the rms difference between the corrected CTD and bottle conductivity values was  $\pm 0.01 \text{ mmho/cm}$ . The temperature and conductivity data for CTD casts 41.02 to 41.10 were in error due to mud in the conductivity cell of the CTD fish. The data from these stations were obtained from the University of Washington gafanphoto profiler after intercalibration with the Neil Brown CTD profiler.

Suspended sediment samples were also normally collected at each station during the cruise to calibrate the light transmission sensor. The individual suspended sediment concentrations were compared to the transmissometer output (Figure 1). A least-squares exponential fit of the suspended sediment concentration data to the light transmission

attenuation coefficient gives

$$\text{Sediment Concentration (mg/l)} = 13.539 * \alpha - 1.40531.$$

where  $\alpha = -4 * \ln(\text{Light (\%)} / 100)$ .

The rms of the residuals (i.e., the difference between the fitted curve and measured sediment concentration based on the 182 calibration samples) was  $\pm 15.4$  mg/l . Light transmission values of 0% were recorded and given a maximum sediment concentration of 400 mg/l.

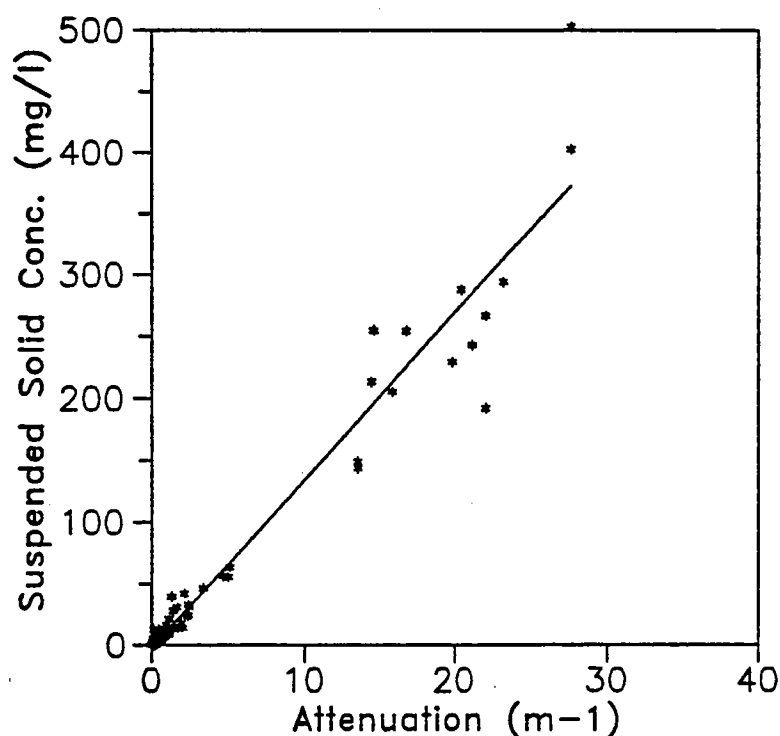


Figure 1. Observed relationship between light transmission (attenuation coefficient) and suspended sediment concentration (in mg/l). Samples are shown as stars; the resulting (solid) calibration curve is used to predict suspended sediment concentration from light transmission measurements.

The Sea Tech fluorometer data are presented as a percent of full scale. Frequent data drop out and erroneous data were observed with the oxygen sensor, and no attempt was made to correct or present these data.

### 3. Data Processing

The CTD data were recorded at sea with a PC-based data acquisition system written by Howard Saklad of the Institute of Marine Science, University of Alaska. The program acquires the raw CTD data at 16 Hz, displays the data in real time, computes postcast data averages, and prints lists of data at each station. Normally, only the down profile is processed at sea. During post-cruise data processing, the conductivity calibration was first applied to the raw data. Then an exponential recursive filter (Middleton and Foster, 1980) was applied to pressure and conductivity to match the amplitude and phase of the platinum temperature sensor. The filter has the form

$$c'(t) = w_0 c'(t - dt) + (1 - w_0) c(t),$$

where  $c'(t)$  is the filtered conductivity at time  $t$ ,  $c'(t - dt)$  is the previous filtered conductivity, and  $c(t)$  is the original unfiltered conductivity at time  $t$ . The filter weight is given by

$$w_0 = e^{-dt/tlag},$$

where  $dt = .063$  sec is the sampling period, and  $tlag = .235$  sec is the time lag of the platinum temperature sensor. A uniform pressure series of 1 db interval was then created from the filtered data, after spurious data observations (spikes) had been replaced with interpolated data. Salinity was calculated according to Lewis (1980) and a value of 42.914 was used to convert to conductivity ratio (Culkin and Smith, 1980).

### 4. Data Presentation

The hydrographic data collected on cruise I9113 are shown in the form of vertical sections, T/S correlations and horizontal sections in Section 7, and vertical profiles and tabular lists at graduated depths are given in Section 8.



## 5. Acknowledgments

R/V *Iselin* Cruise I9113 was supported by NSF Grant OCE88-12917. D. Demaster and R. Limeburner were the Chief Scientists on Leg 3 and Leg 4, respectively. The work was a cooperative effort by J. Brainer, G. Booth, D. Burnside, N. Carneiro, W. Costa, J. Craig, C. Crook, C. Duarte, C. Exton, A. Fernandes, A. Gama, M. Gravois, D. Guffy, R. Johnson, J. Karr, H. Kelly, G. Kineke, K. Kranck, A. Laier, R. Lapsley, S. Mendonca, T. Milligan, H. Morganne, W. Moore, M. Veiga, G. Negreiros, A. Ogston, R. Portugal, H. Oliveira, R. Paiva, R. Pope, A. Rodrigues, K. Ruttenberg, J. Sarmento, W. Smith, C. Sommerfield and P. Swarenski.

Their assistance is greatly appreciated. G. Kineke provided the pressure, temperature, and conductivity data for Leg 4 CTD casts 41.01 to 41.10. Finally, the helpfulness of the marine technicians C. Maxwell and G. Shirk and the officers and crew of the R/V *Iselin* contributed significantly to the success of the cruise.

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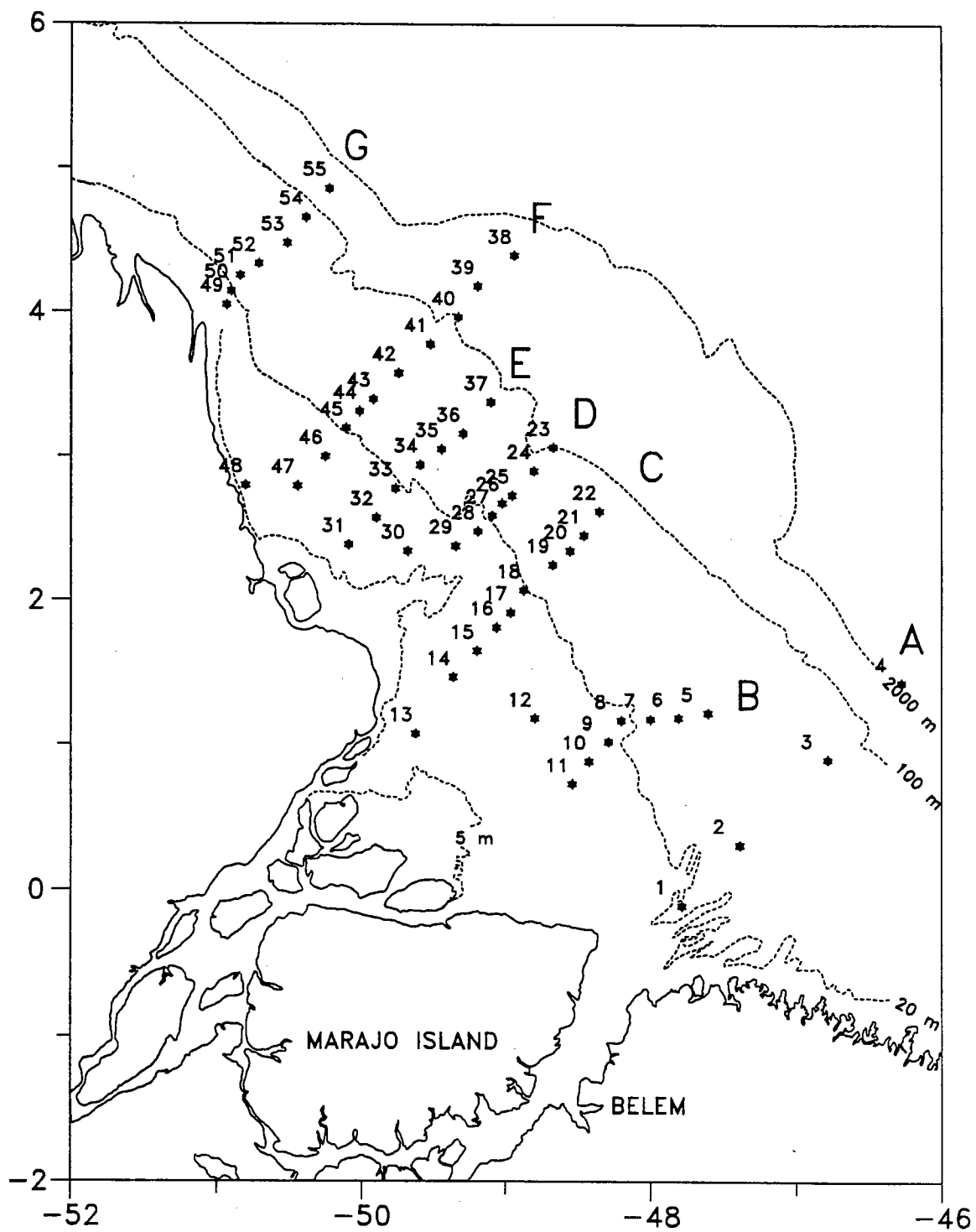




## **7. Graphic Description of CTD Data**

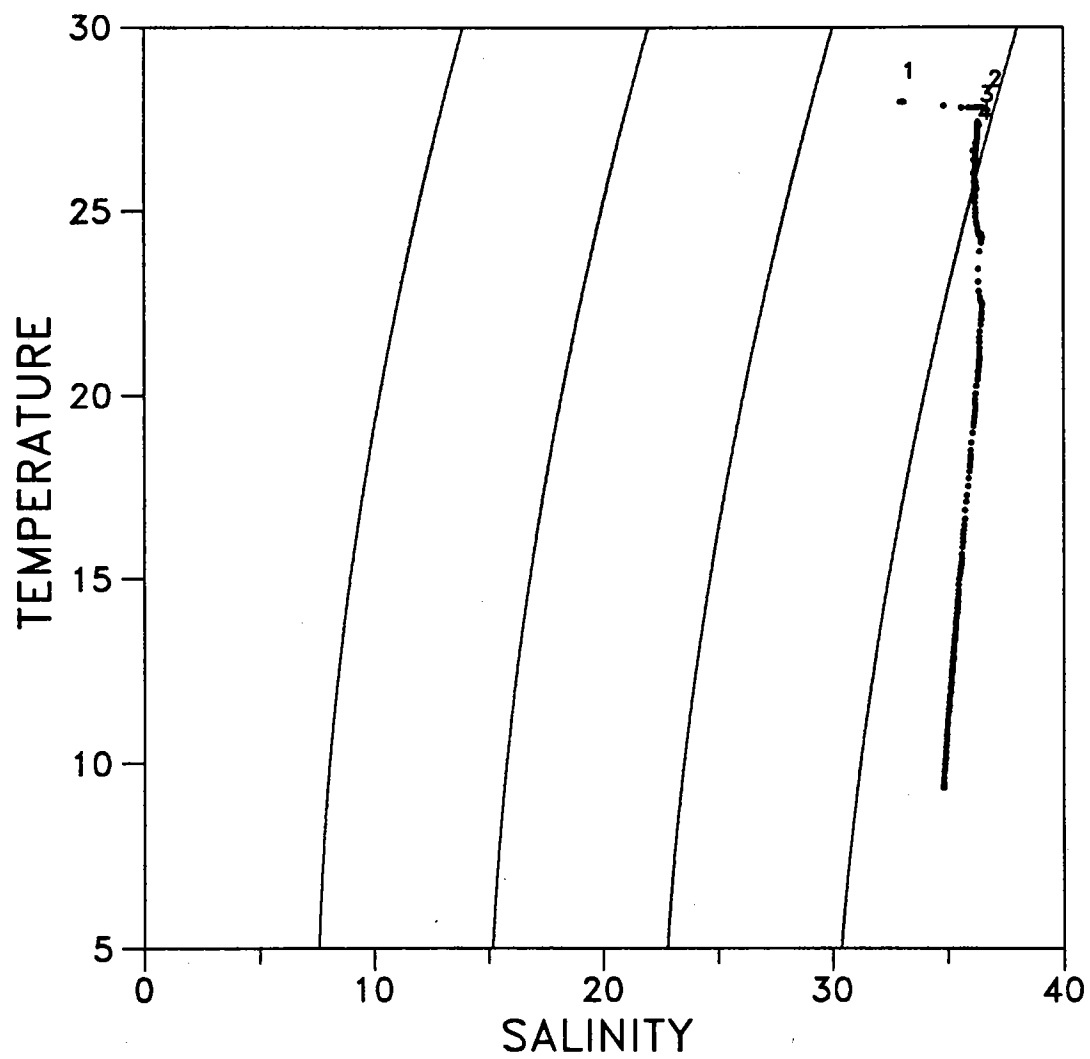
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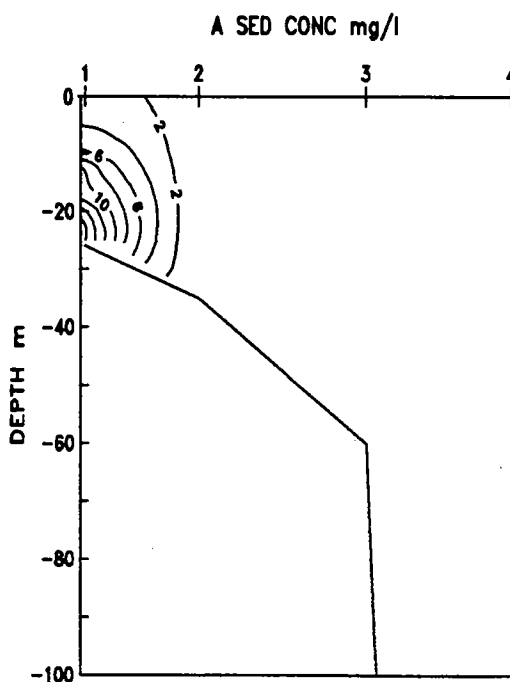
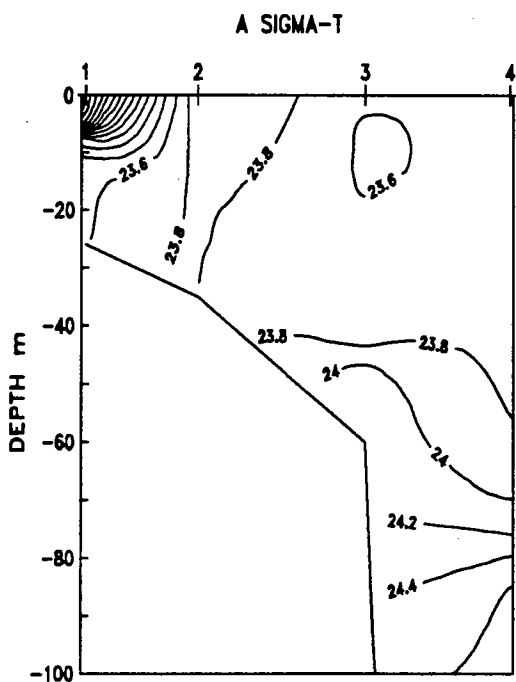
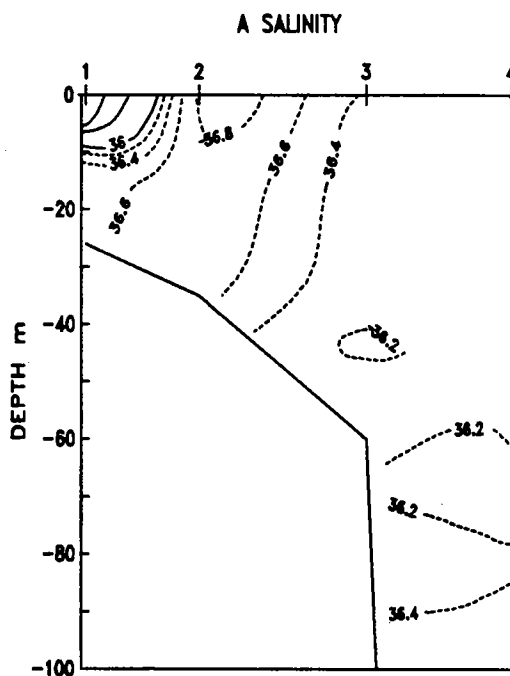
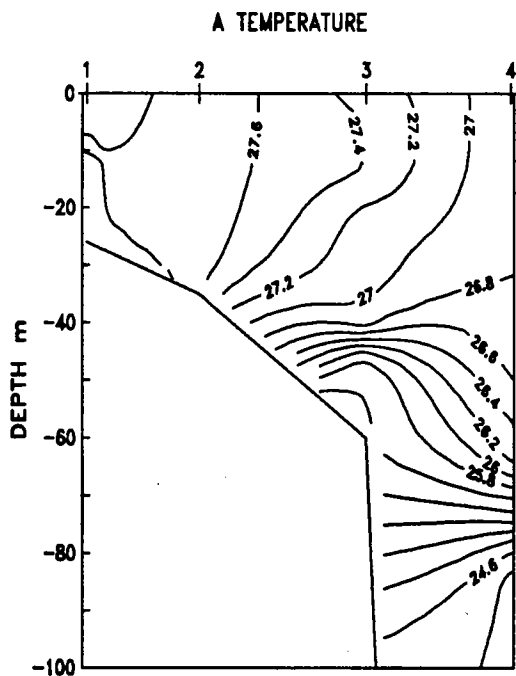


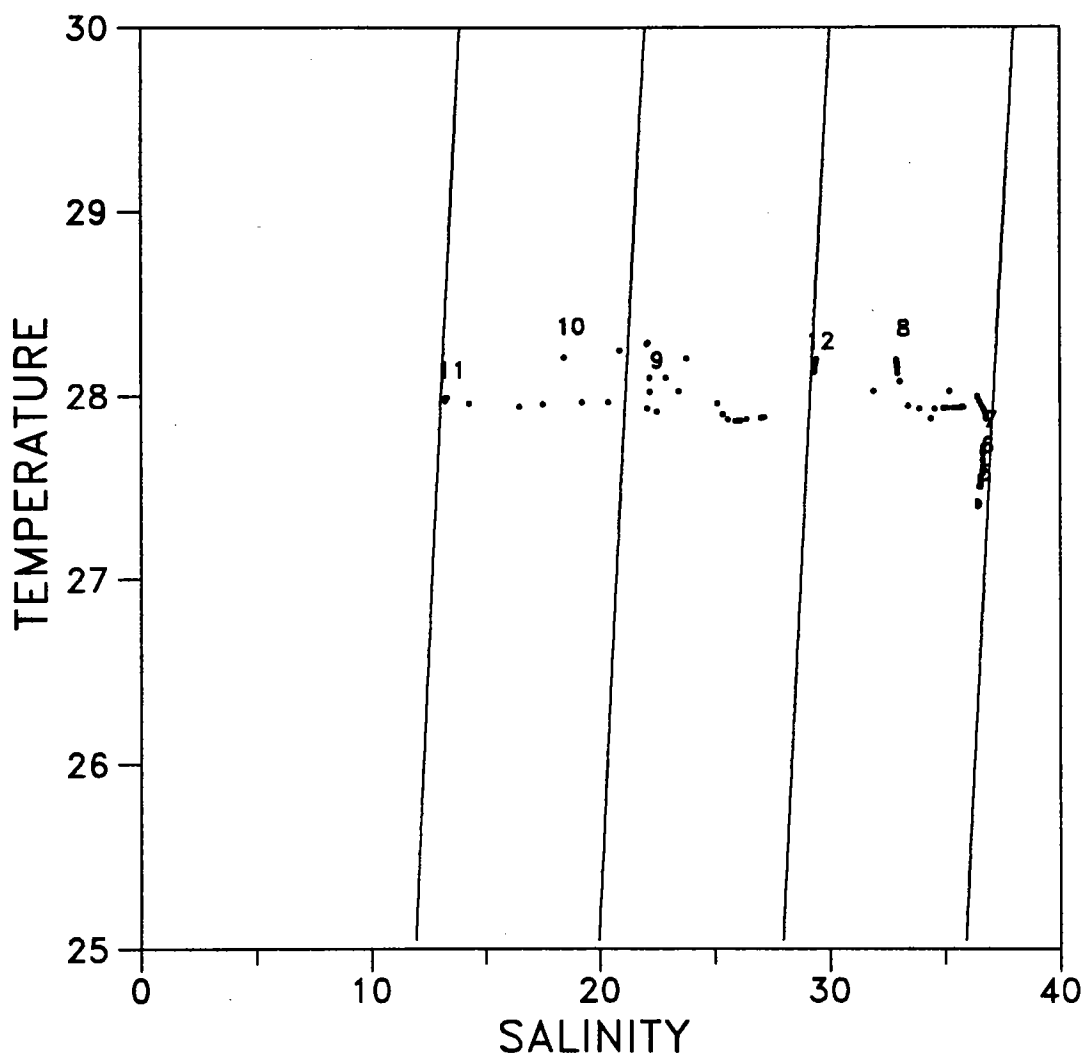


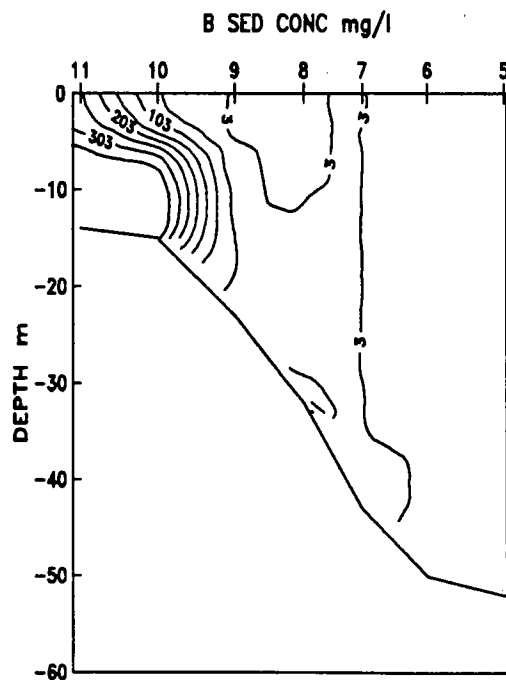
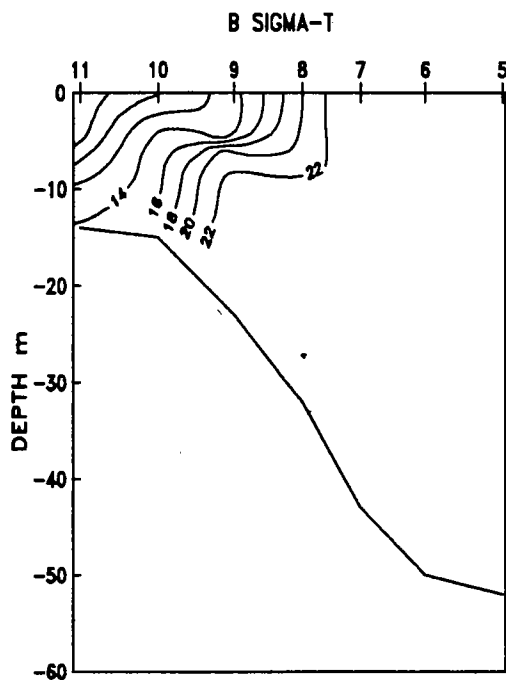
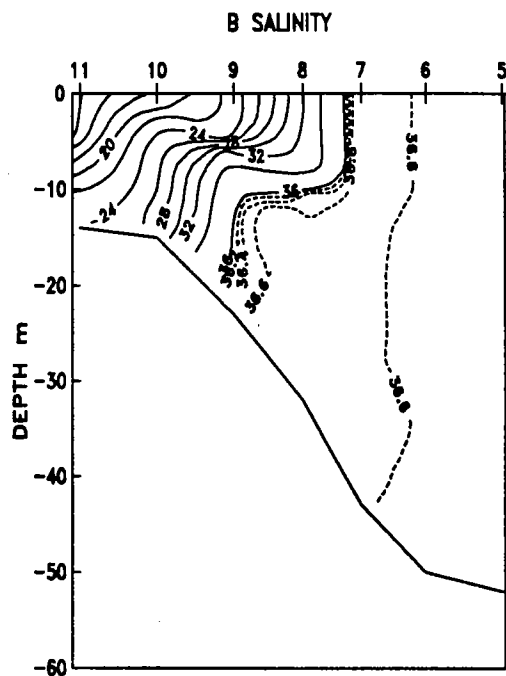
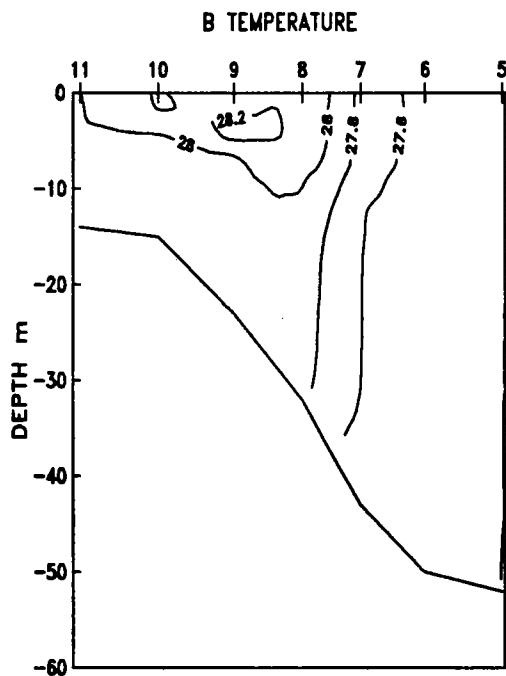
I9113 Leg 3, Nov 5-13, 1991

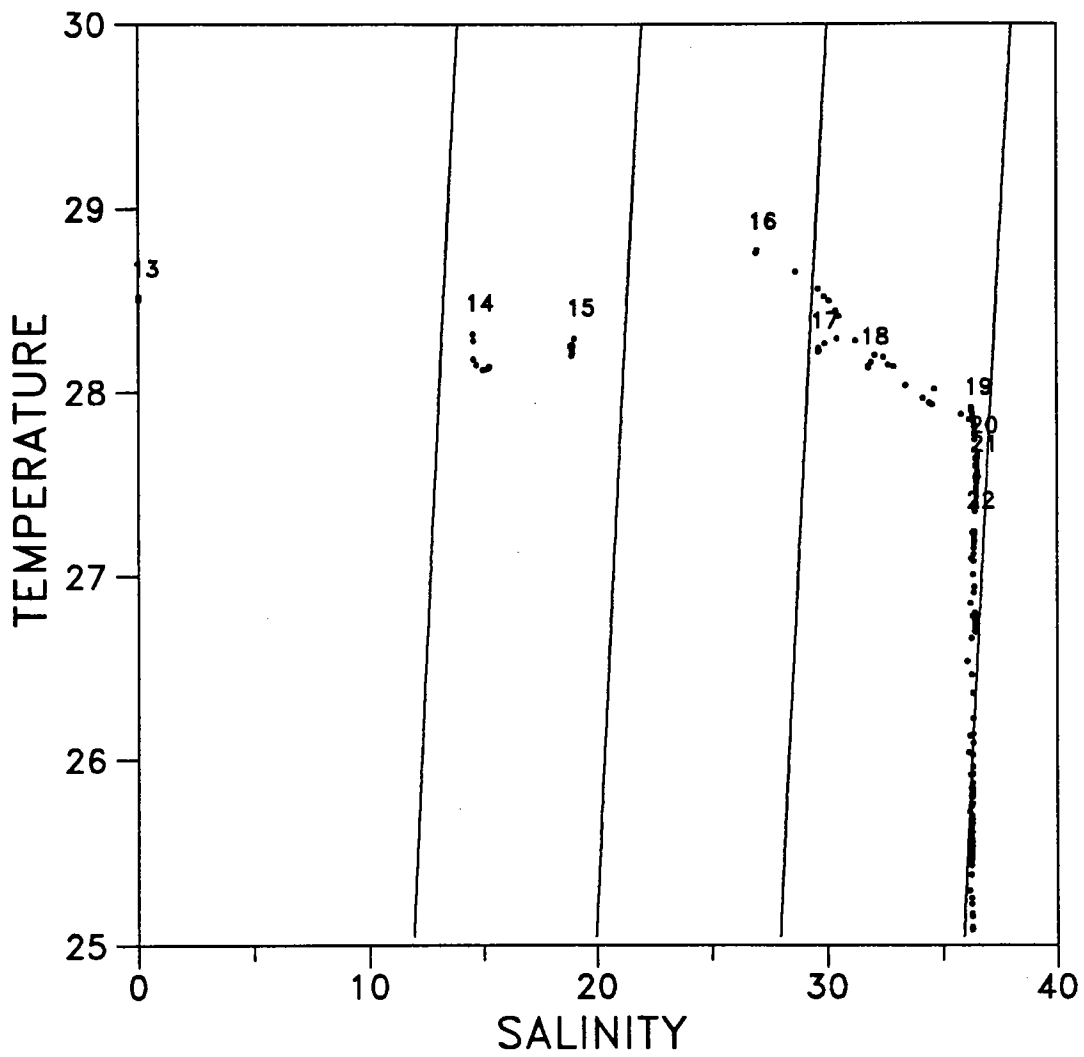


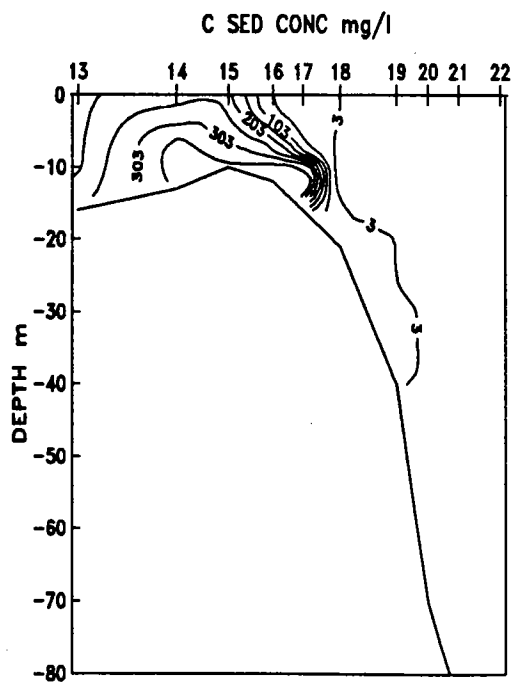
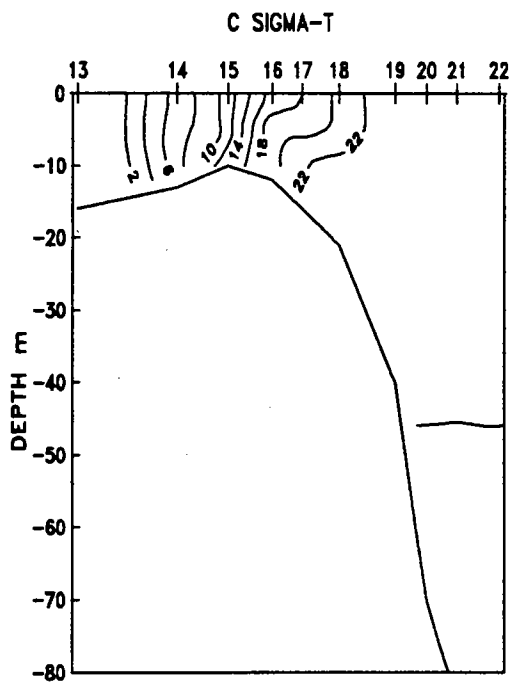
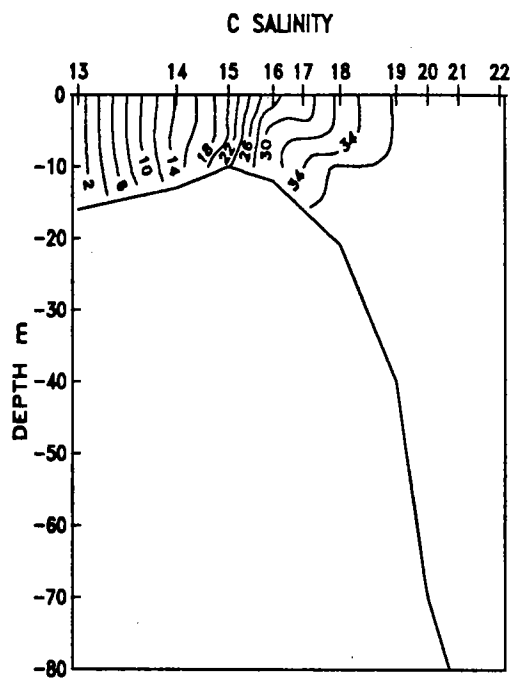
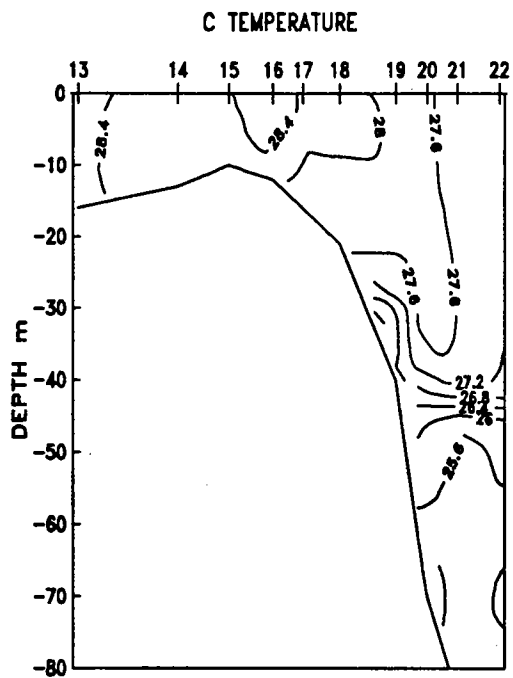


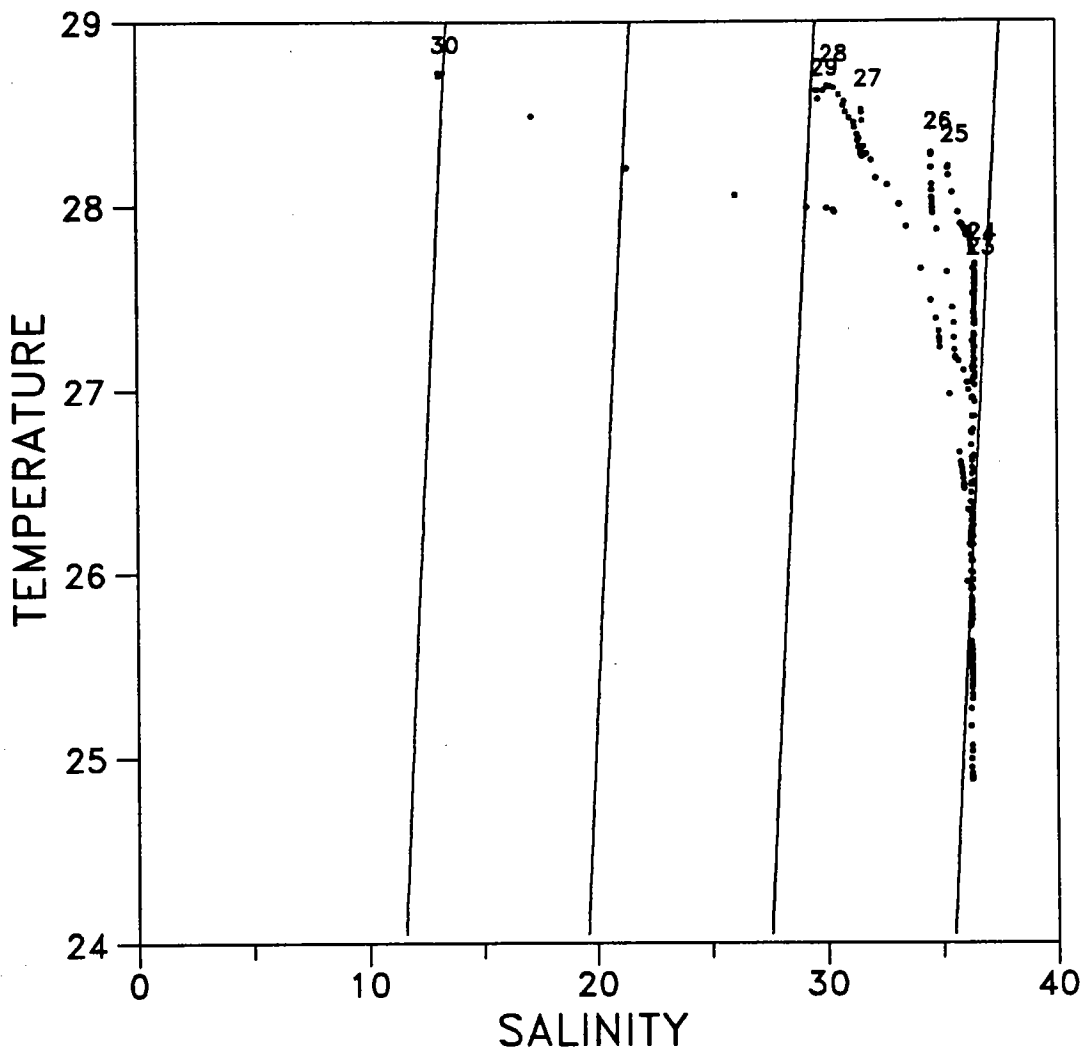


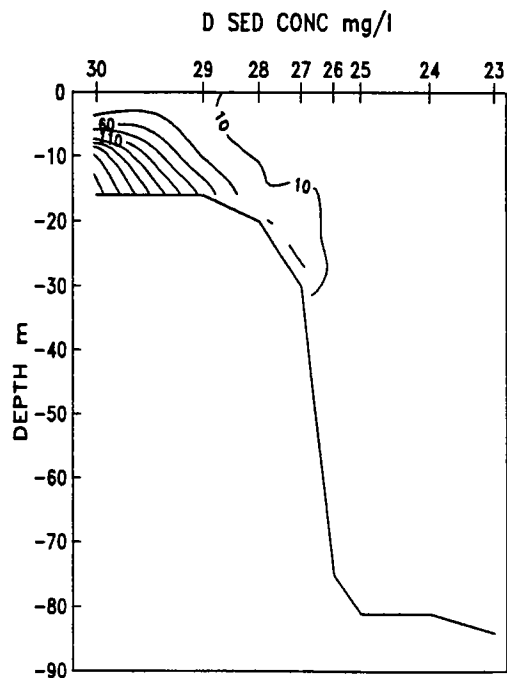
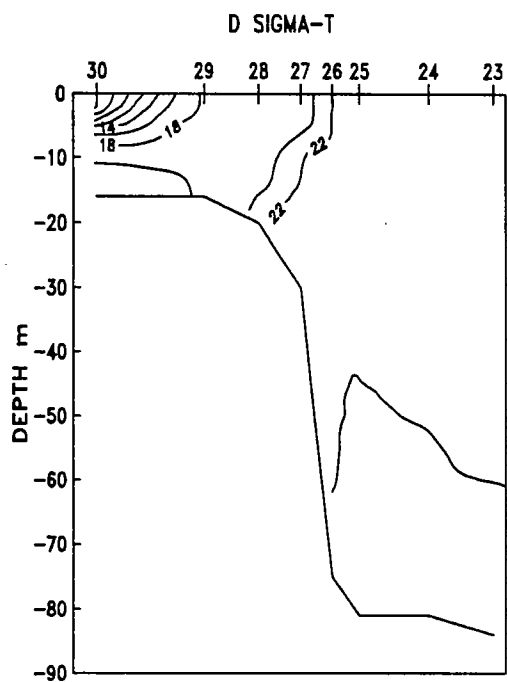
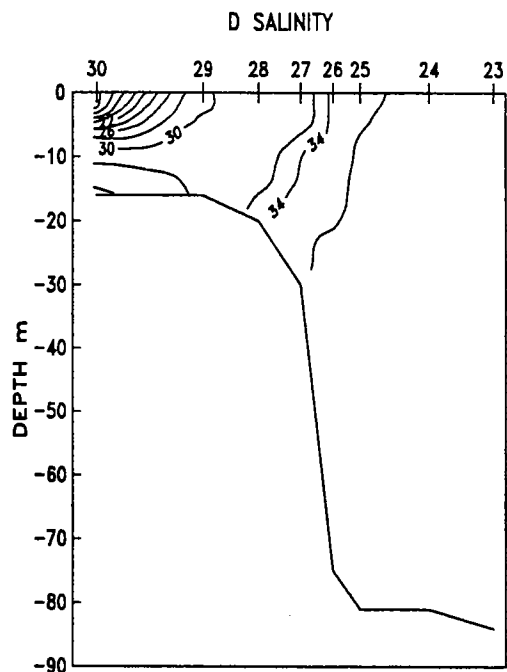
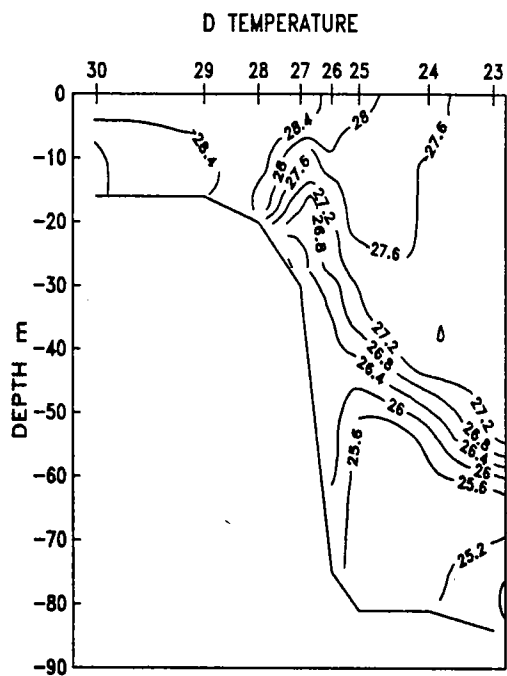




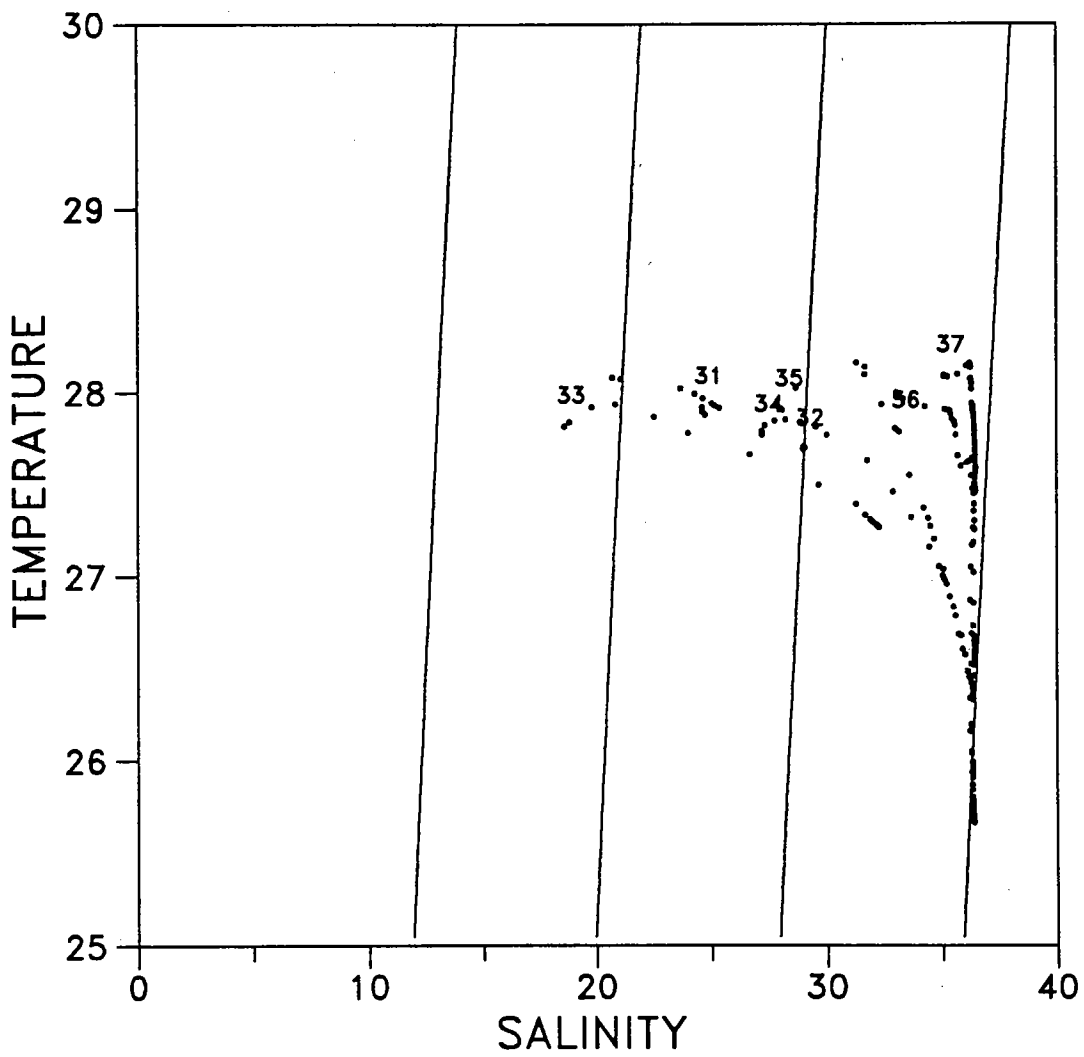


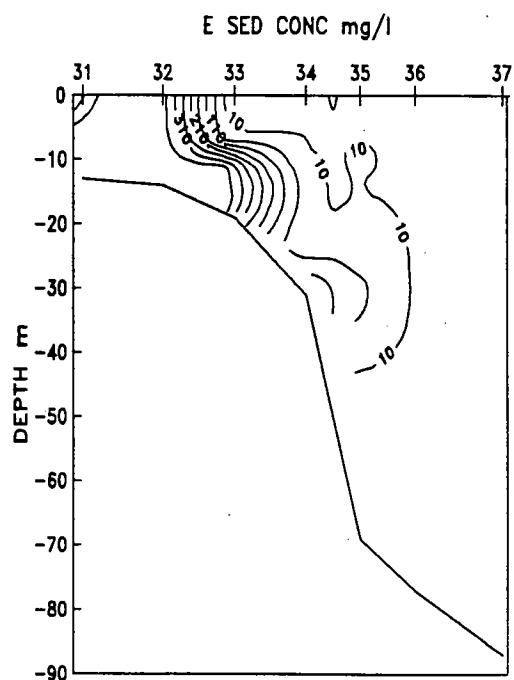
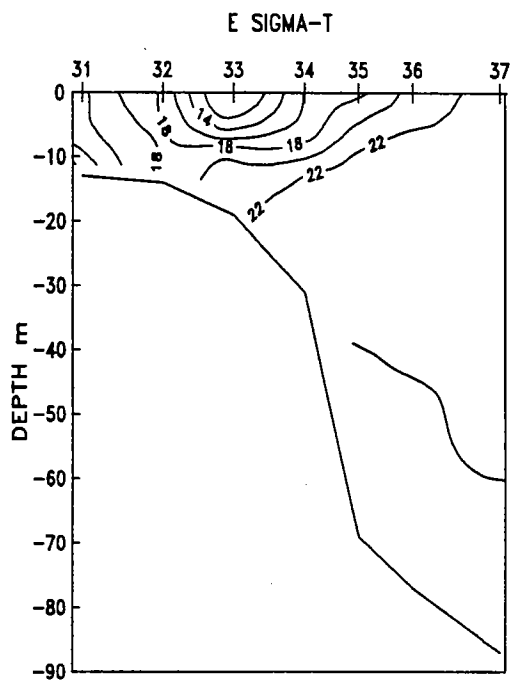
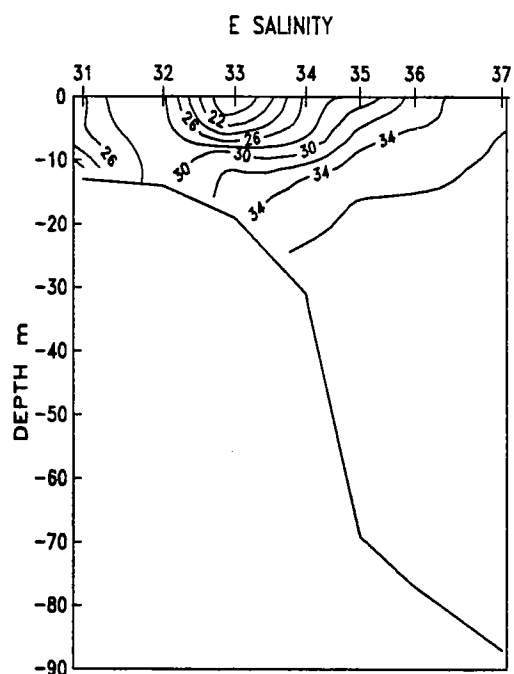
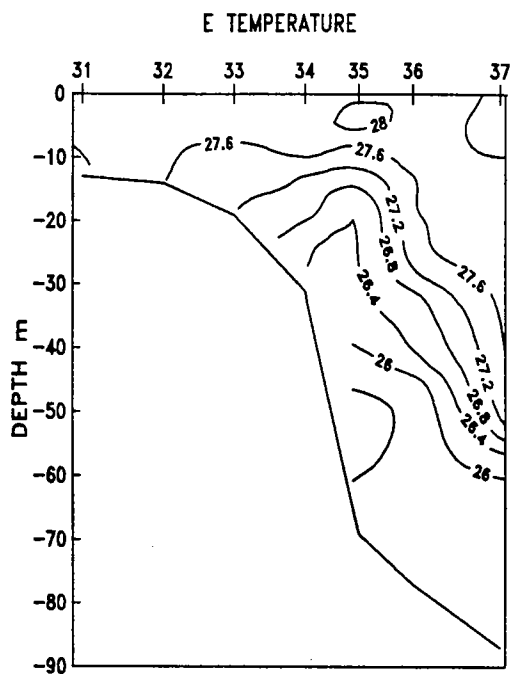


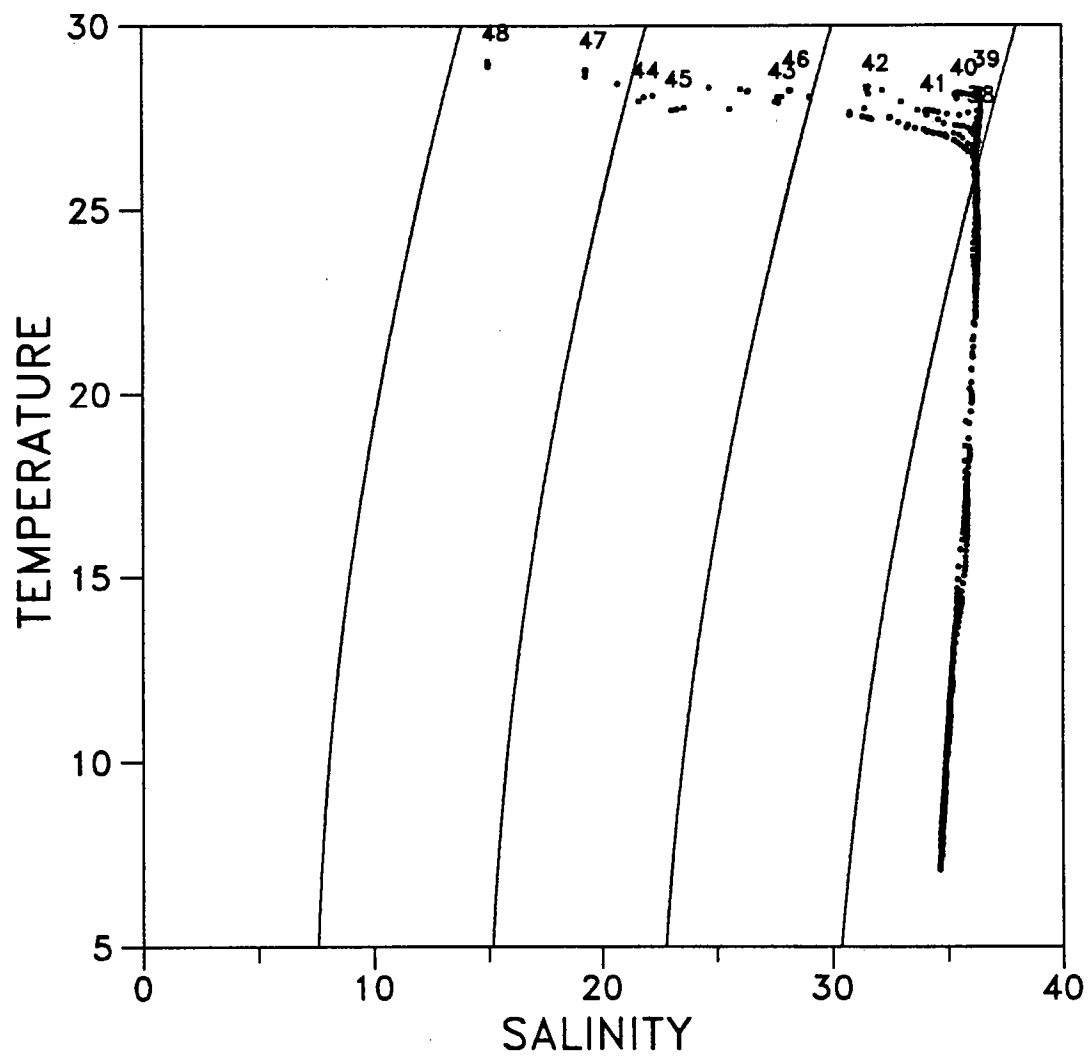


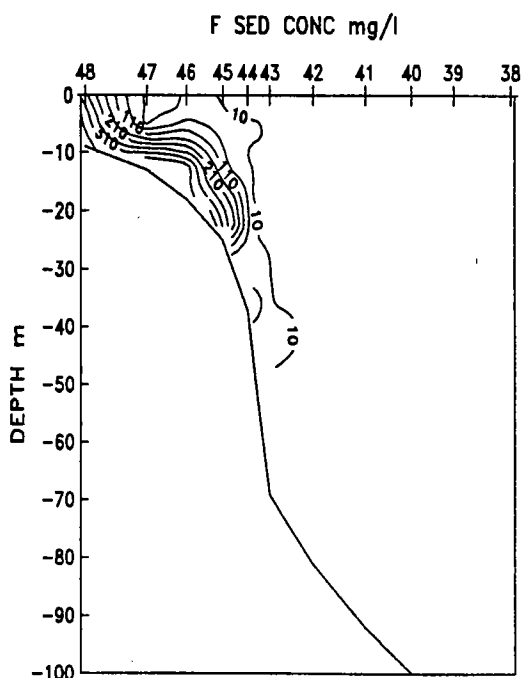
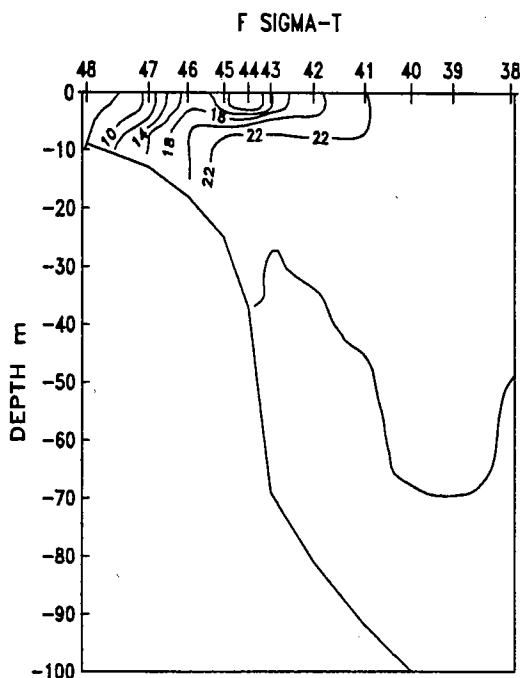
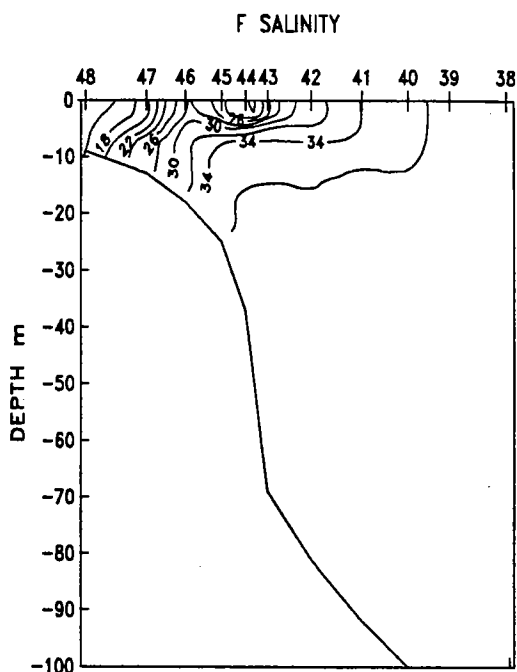
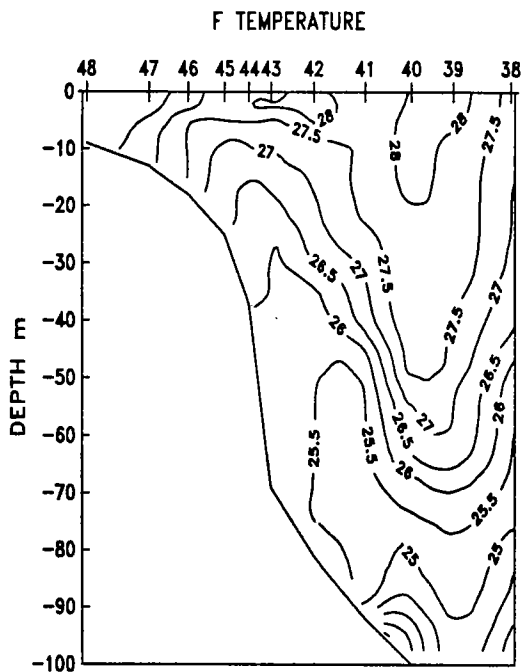


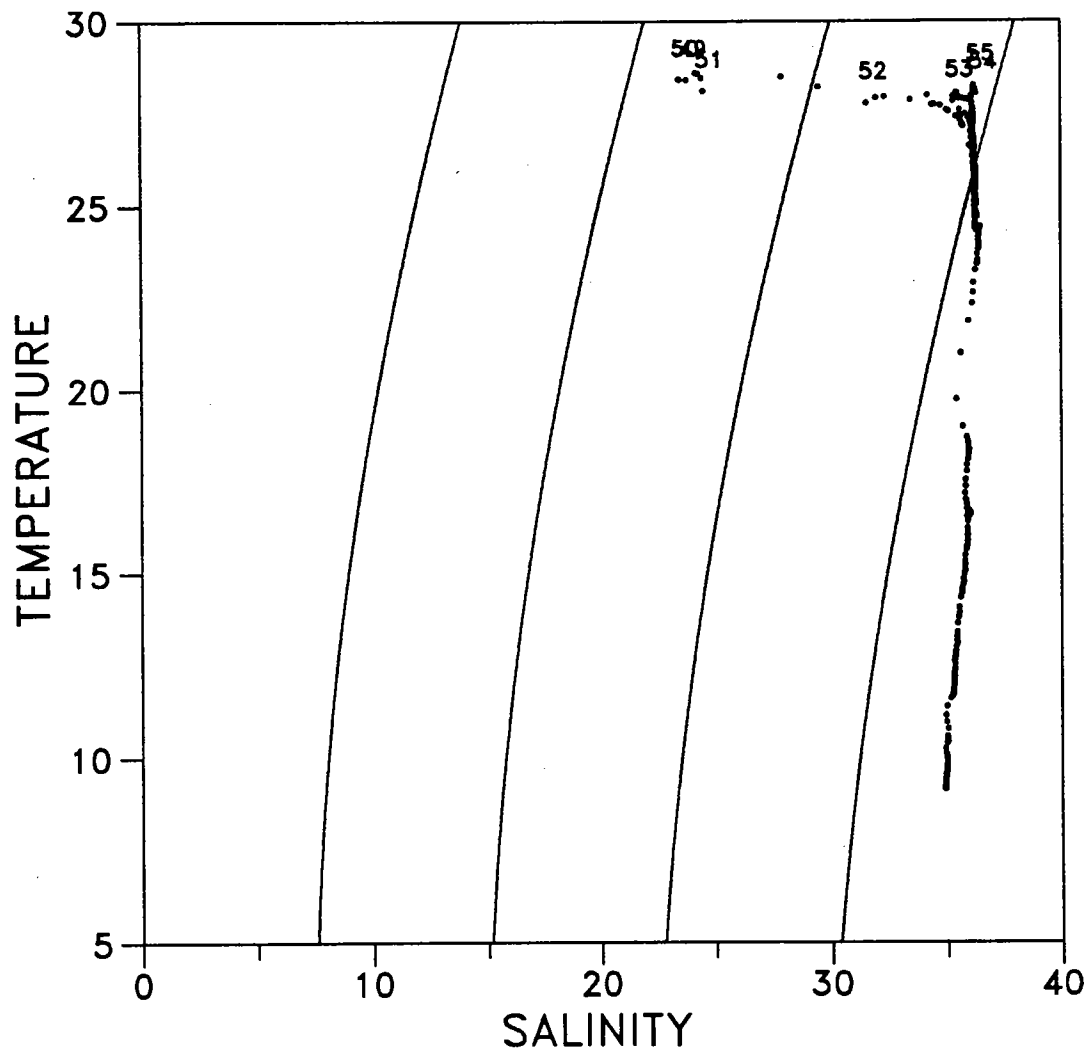


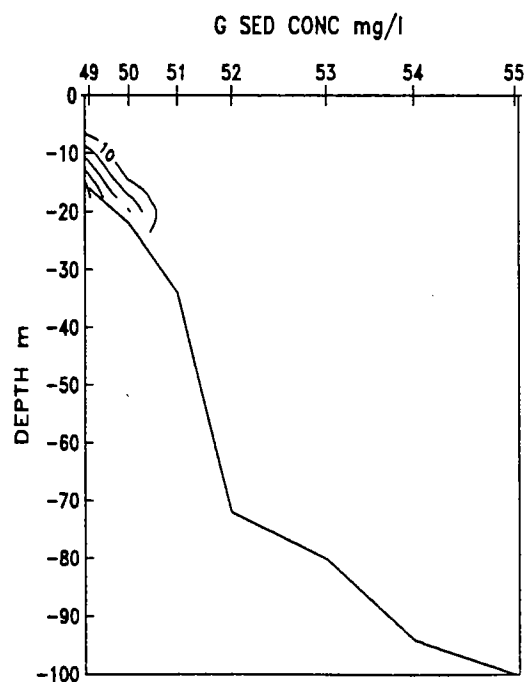
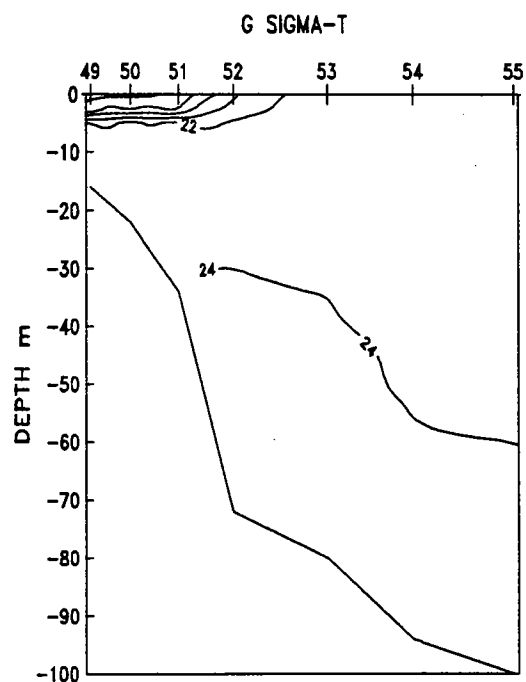
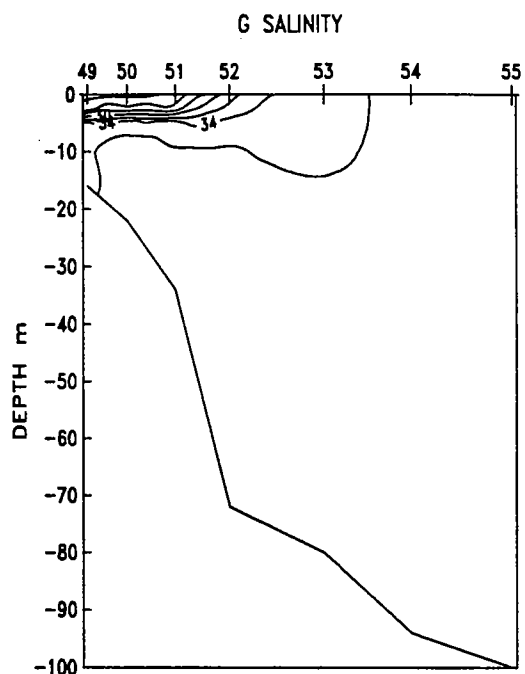
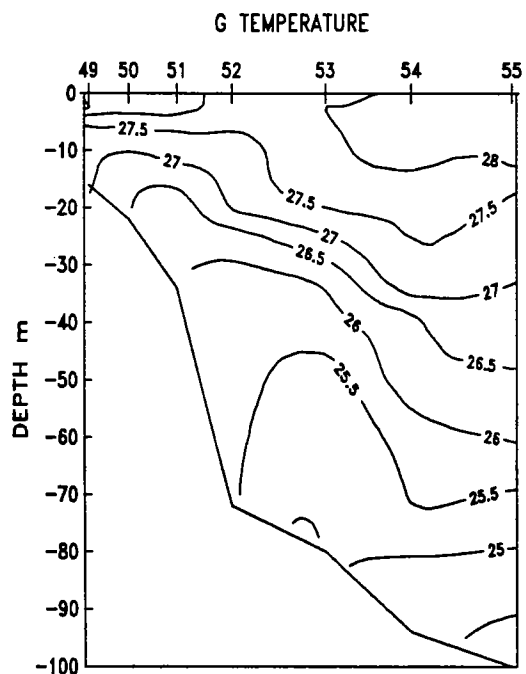


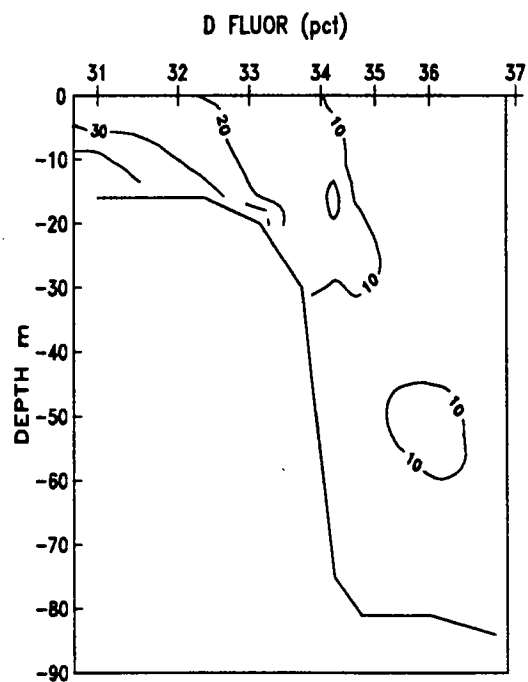
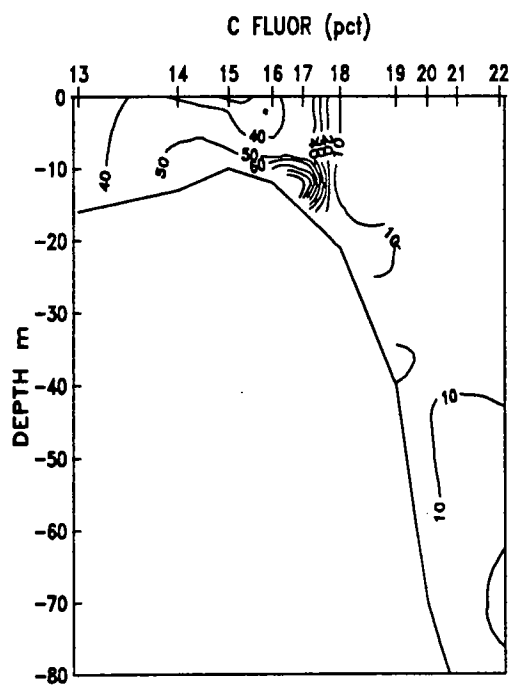
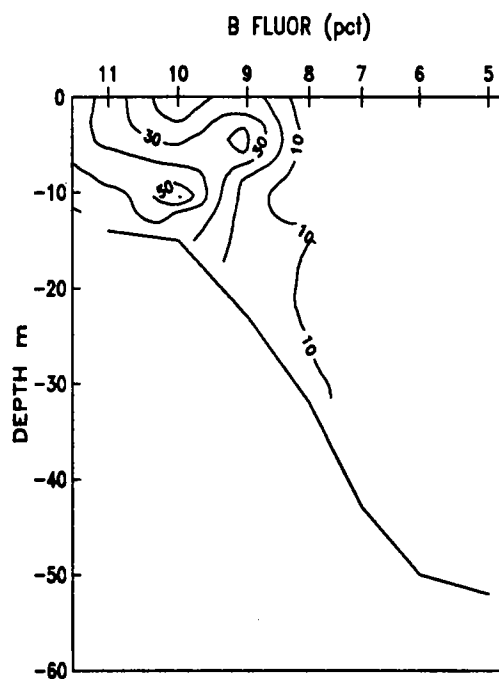
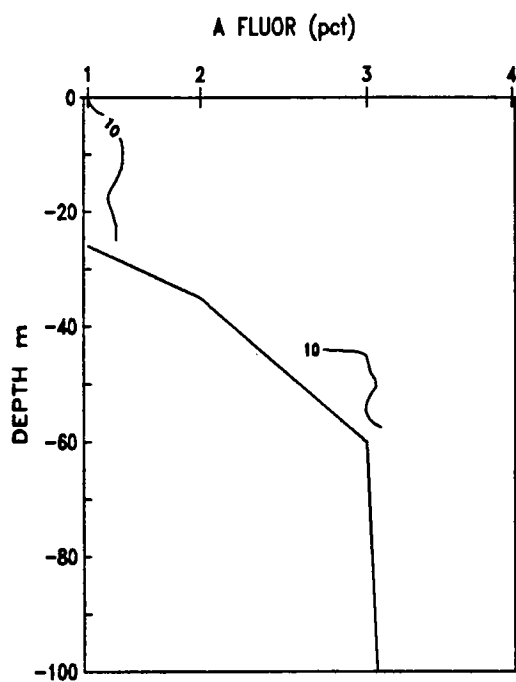


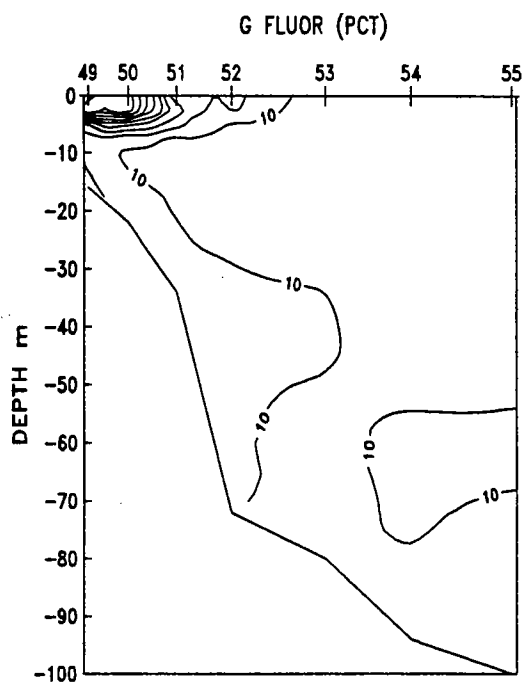
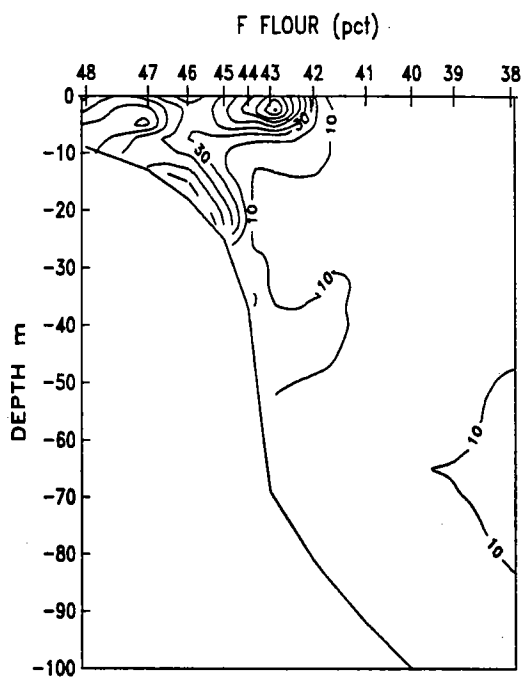
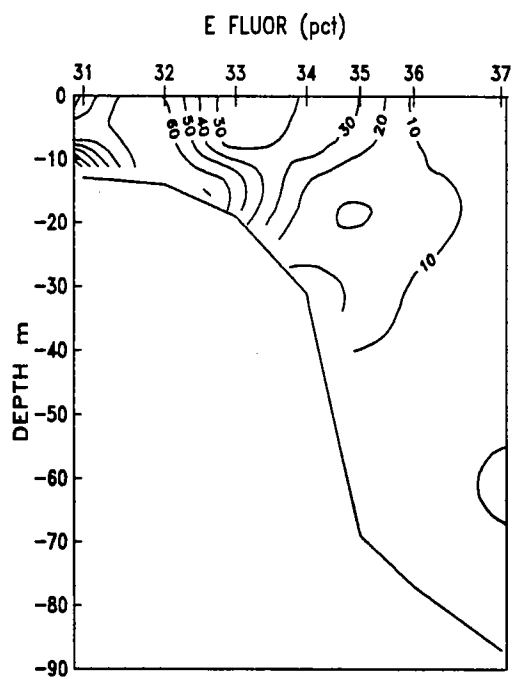






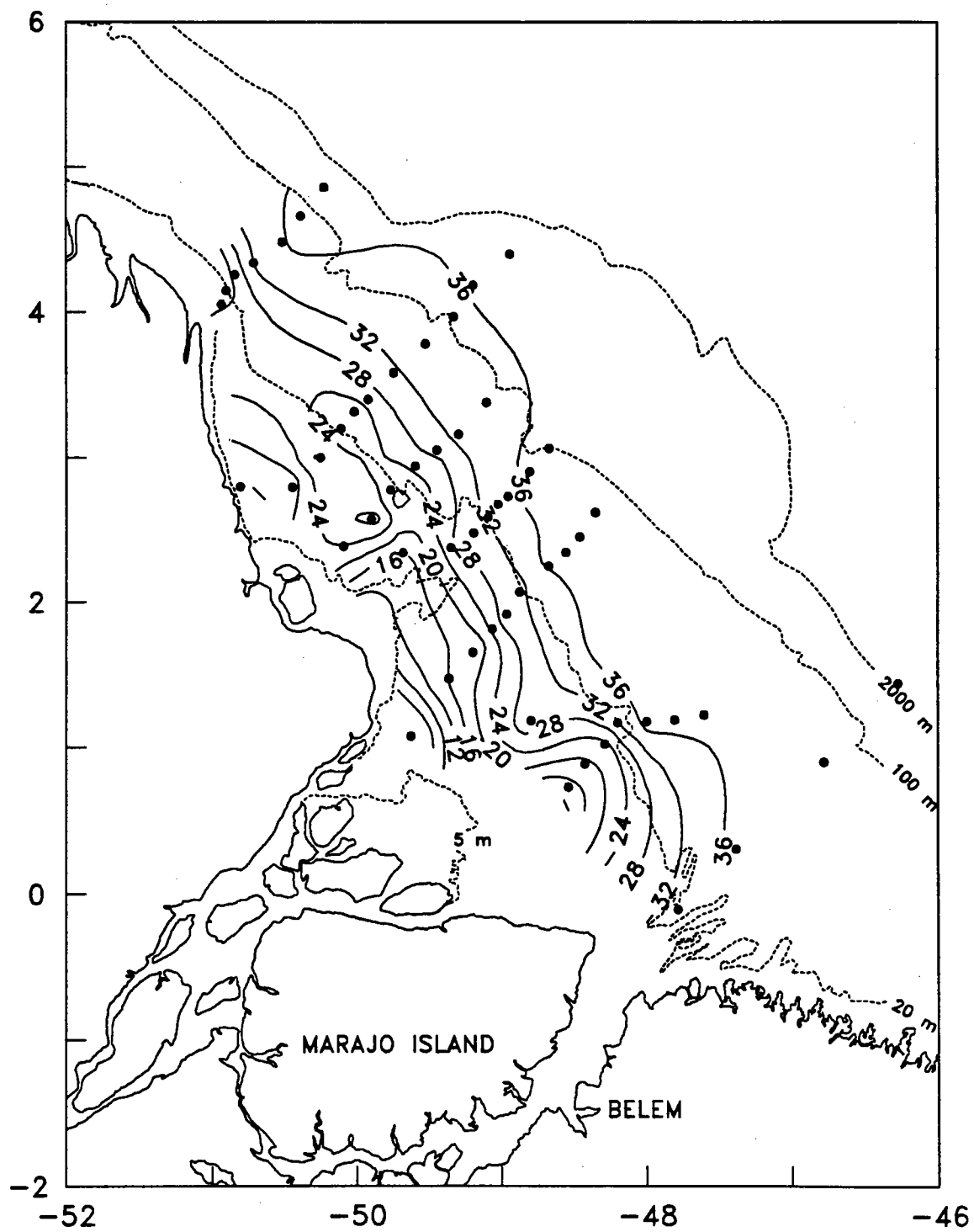




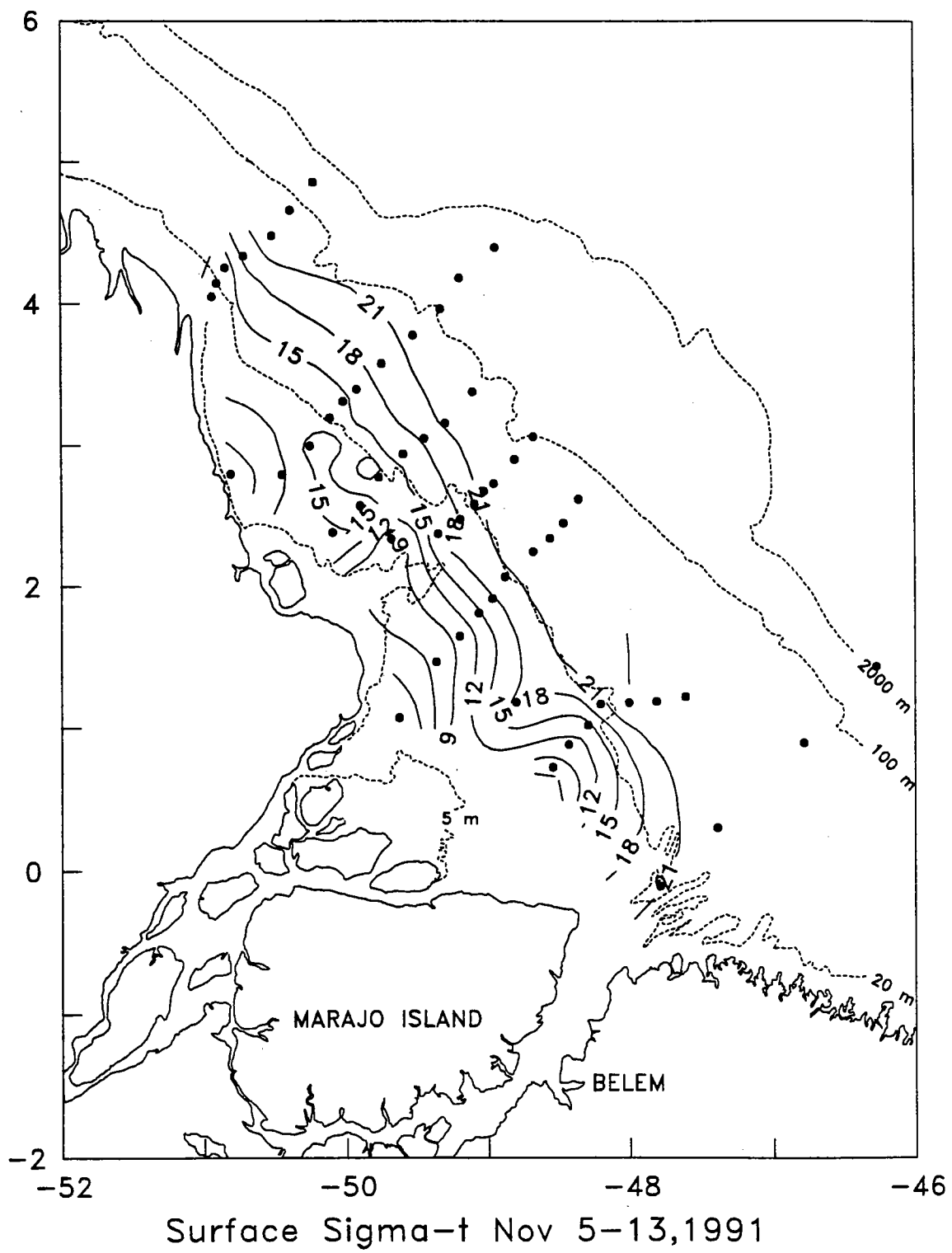


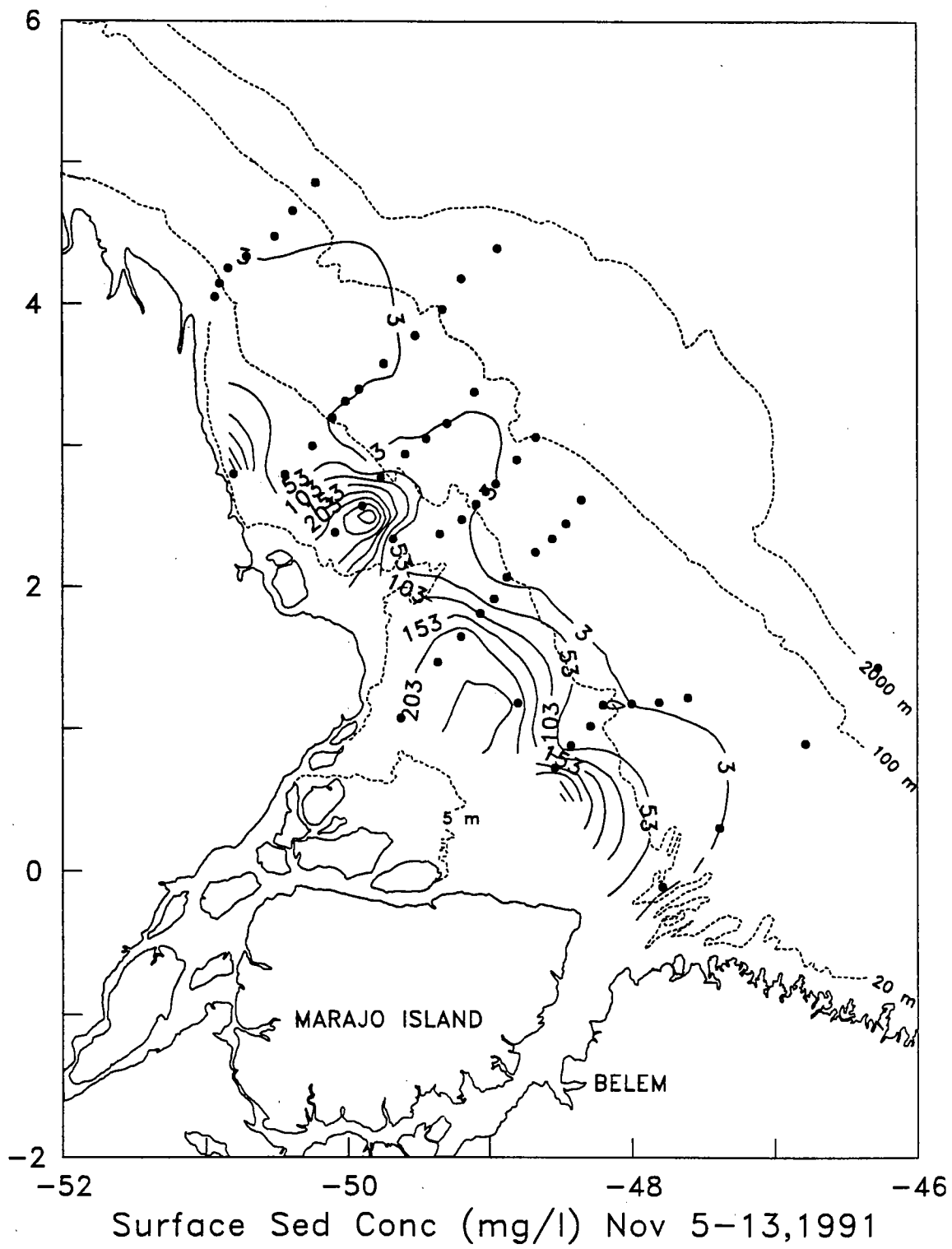


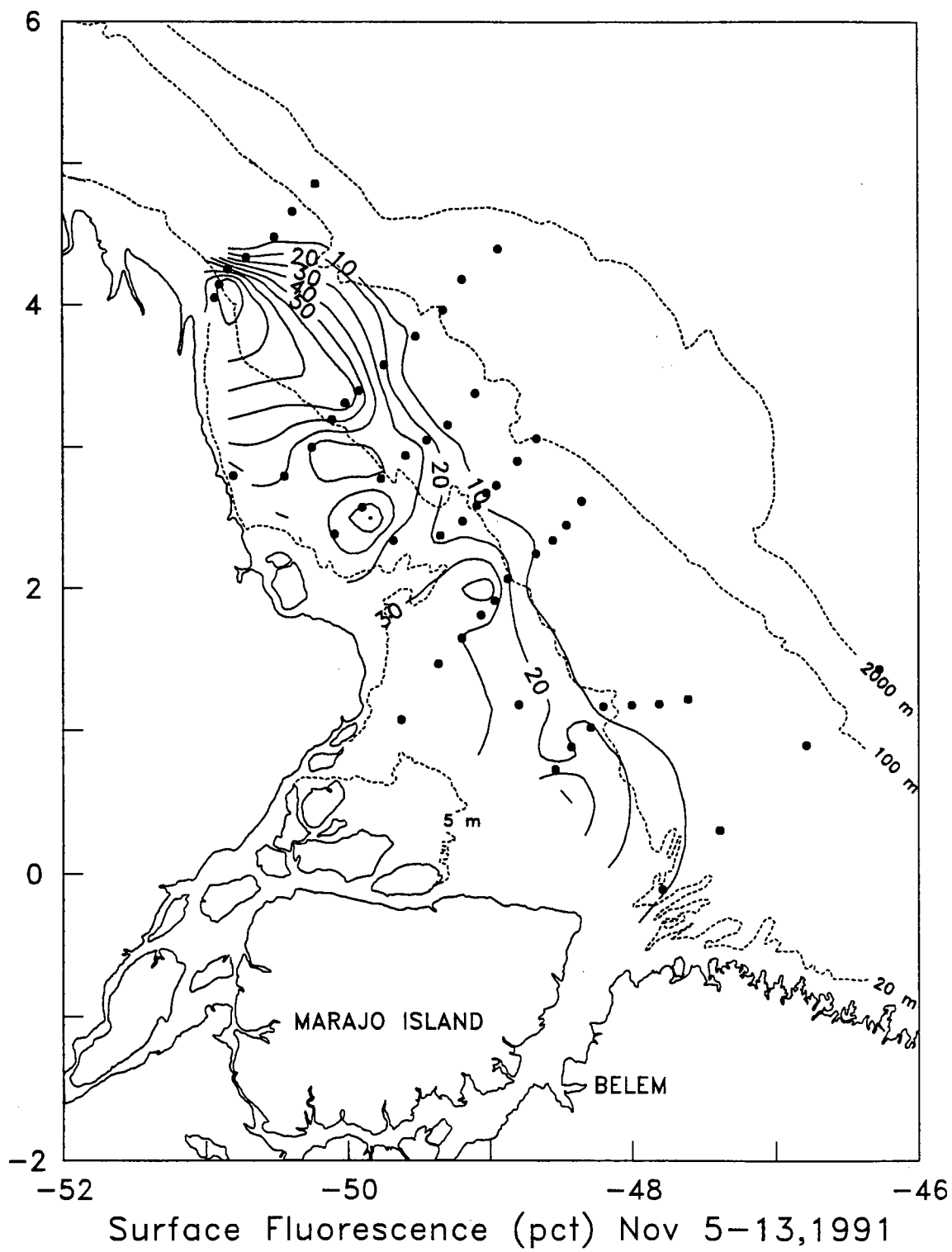


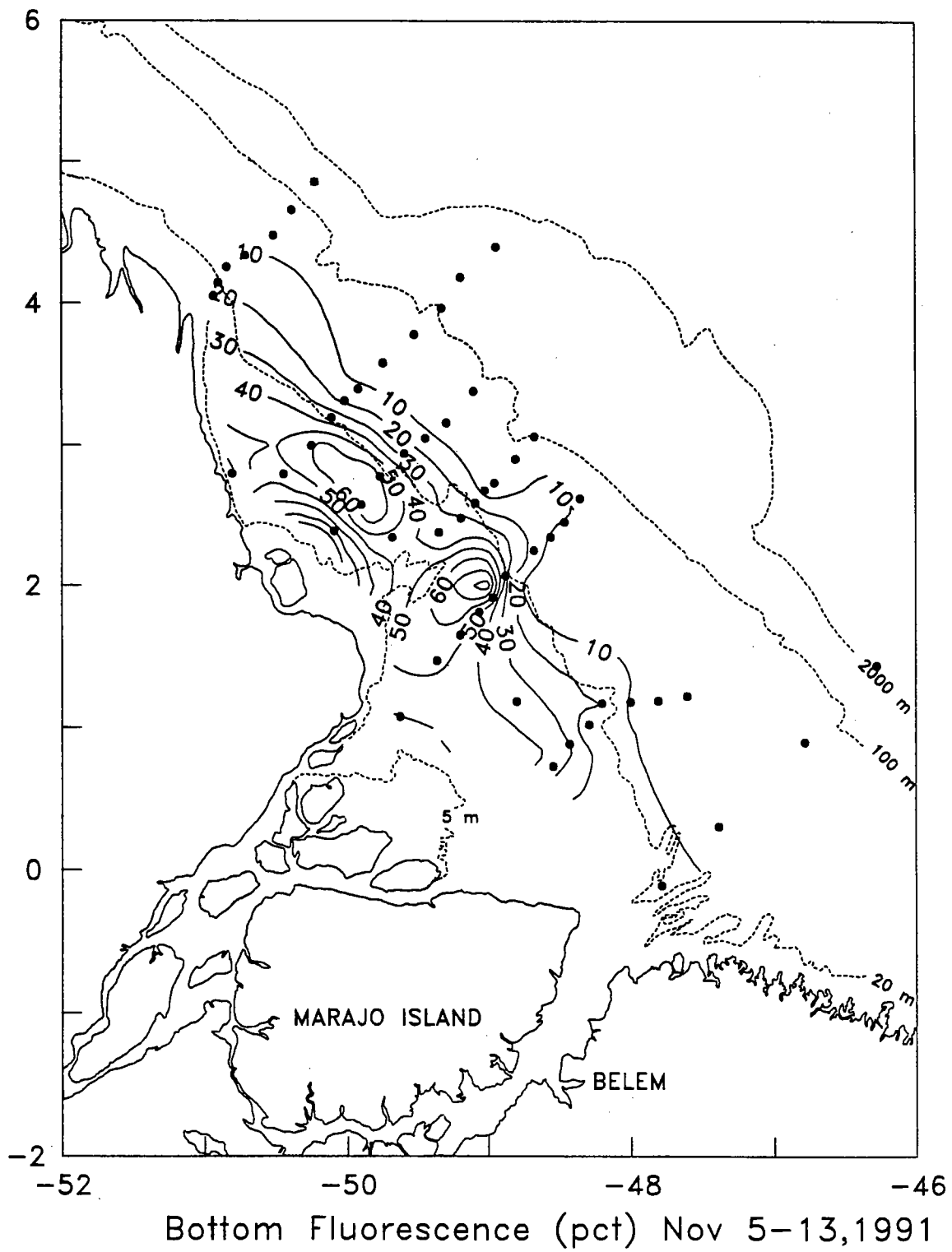


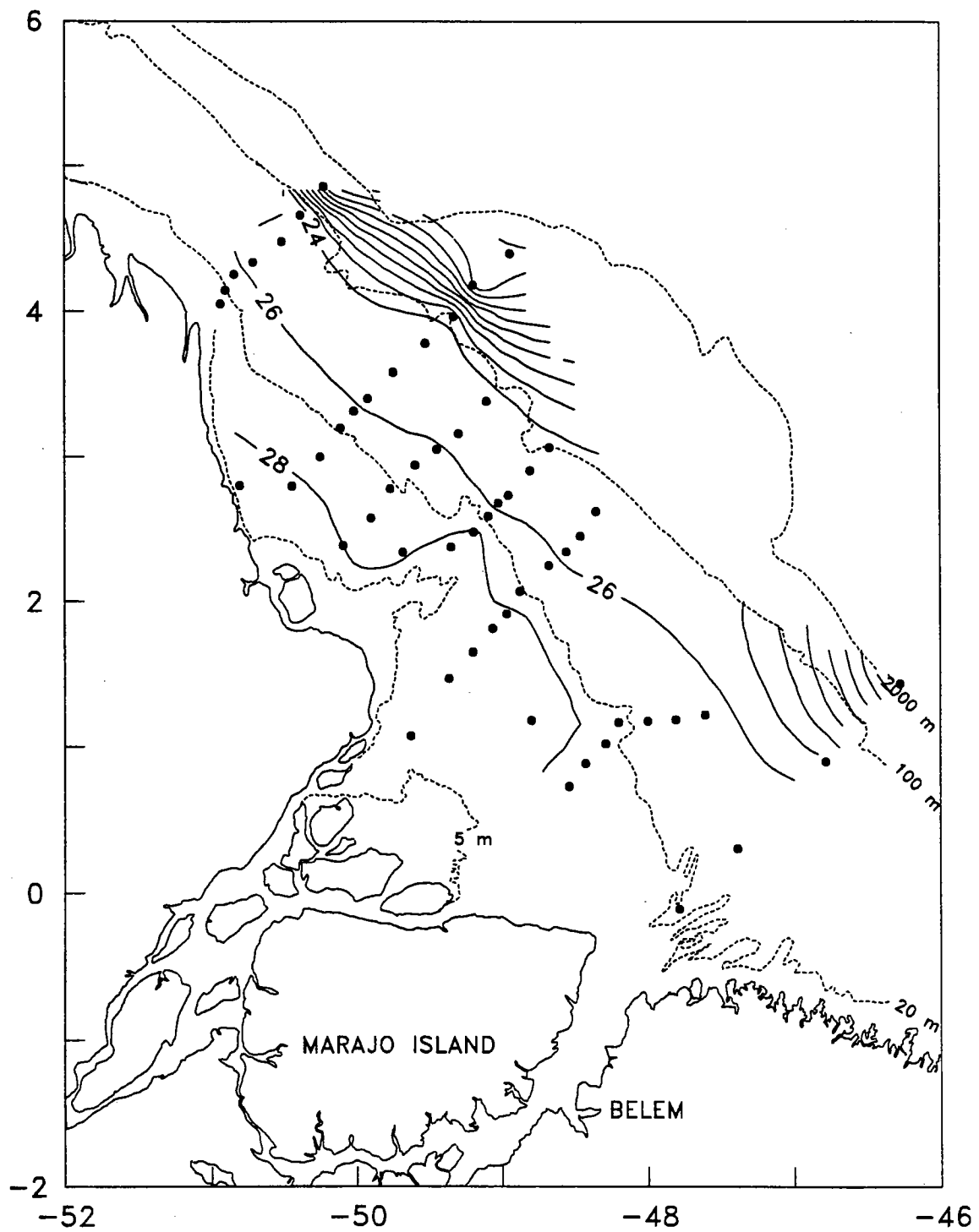
Surface Salinity Nov 1991



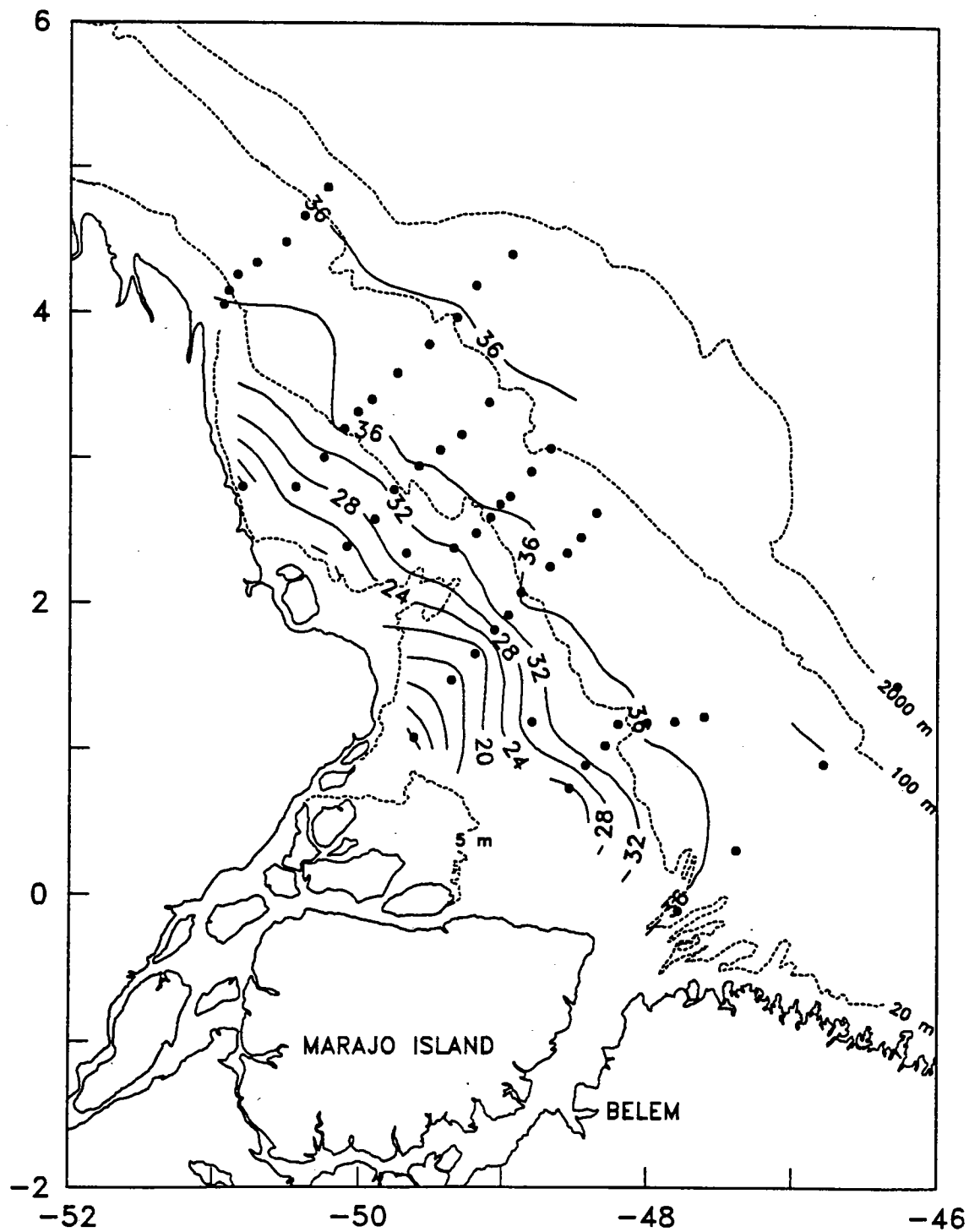






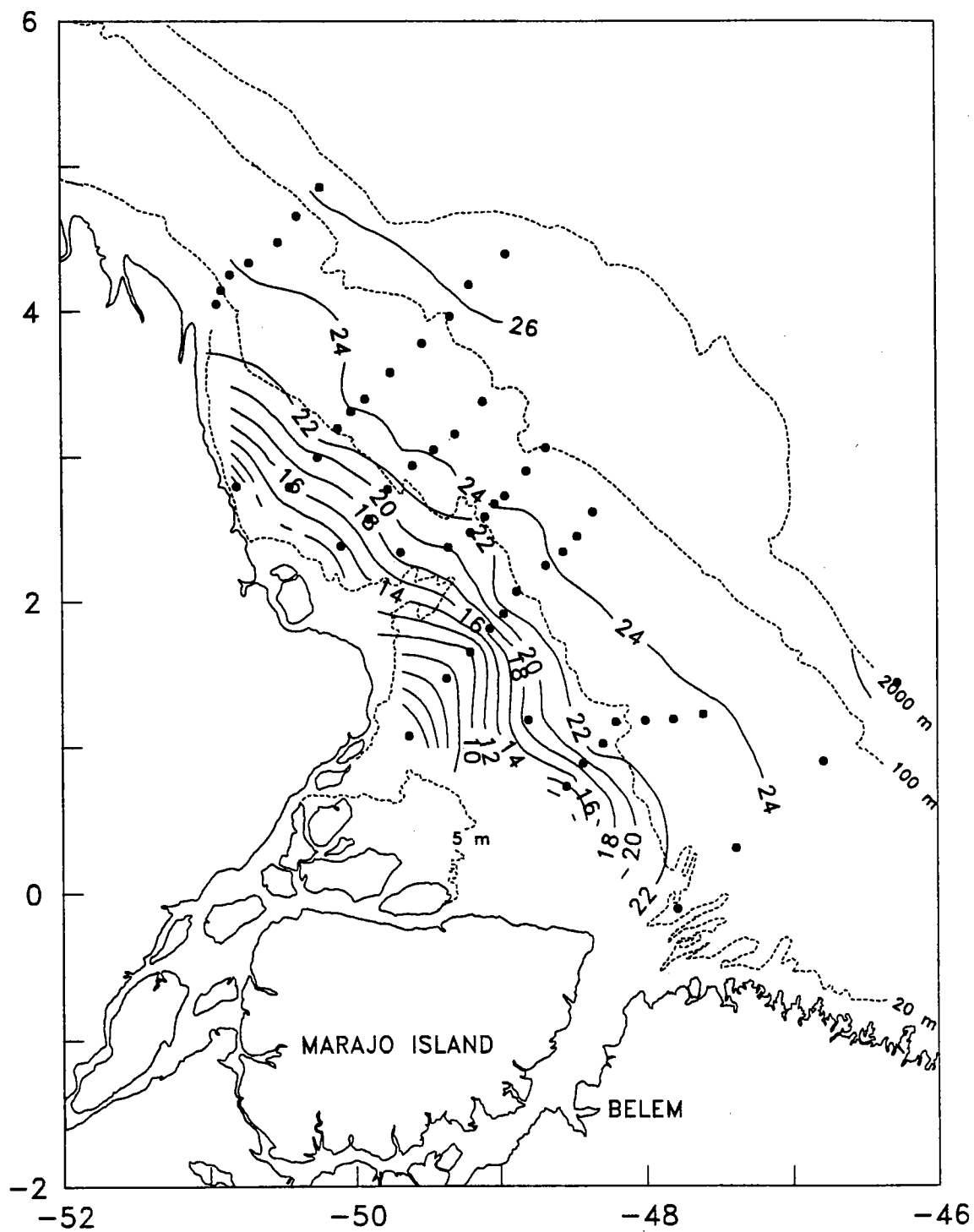


Bottom Temperature Nov 5-13, 1991

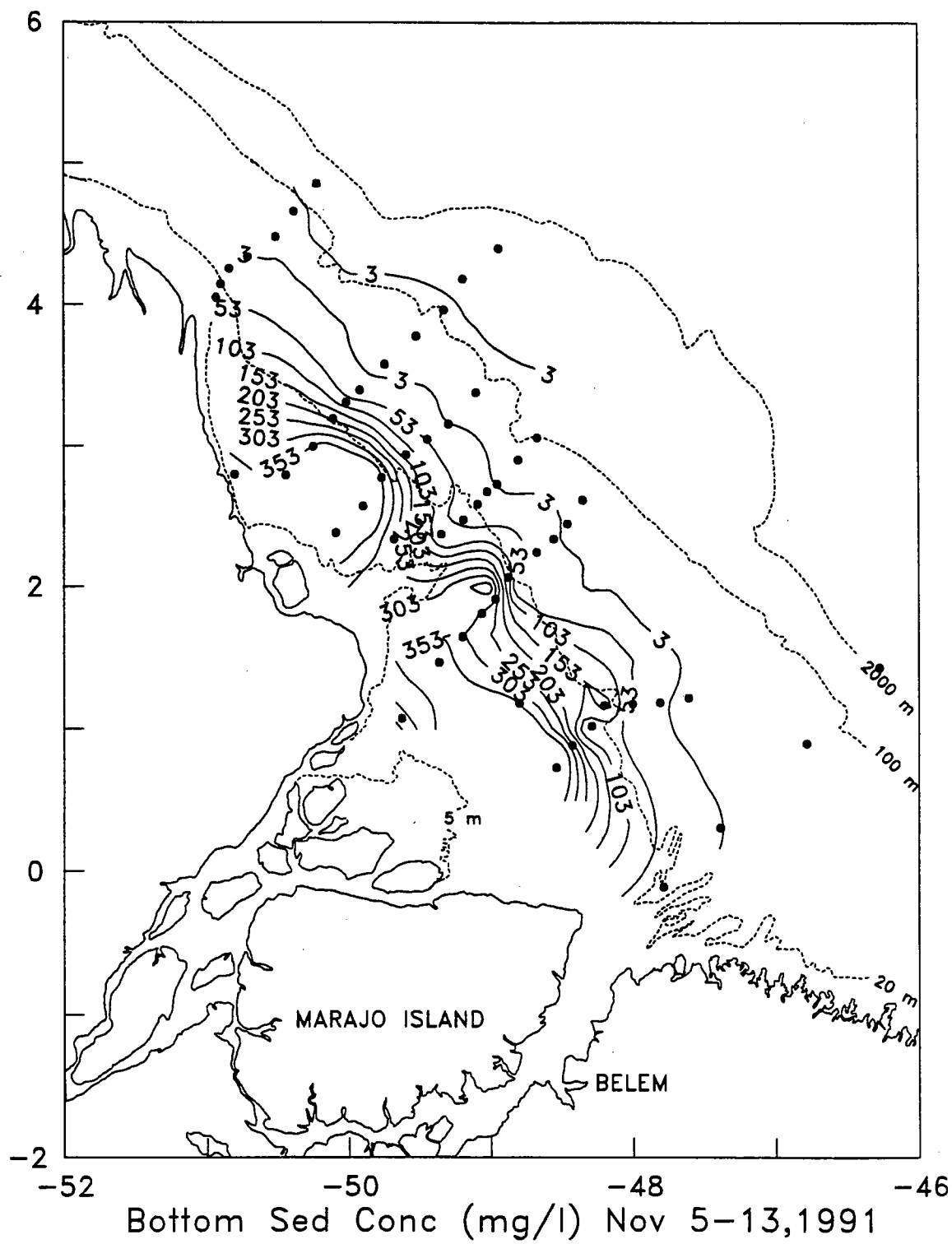


Bottom Salinity Nov 1991

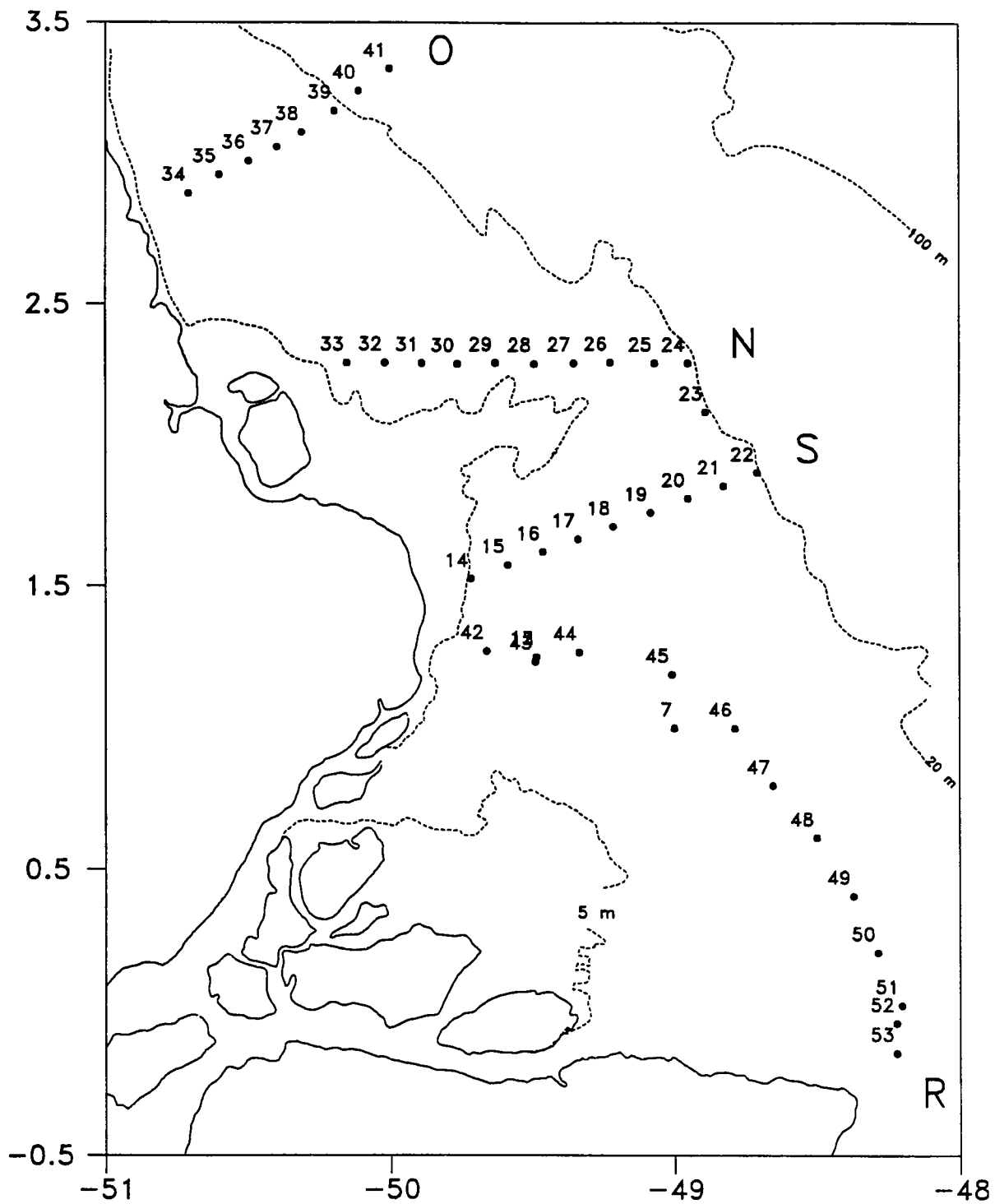




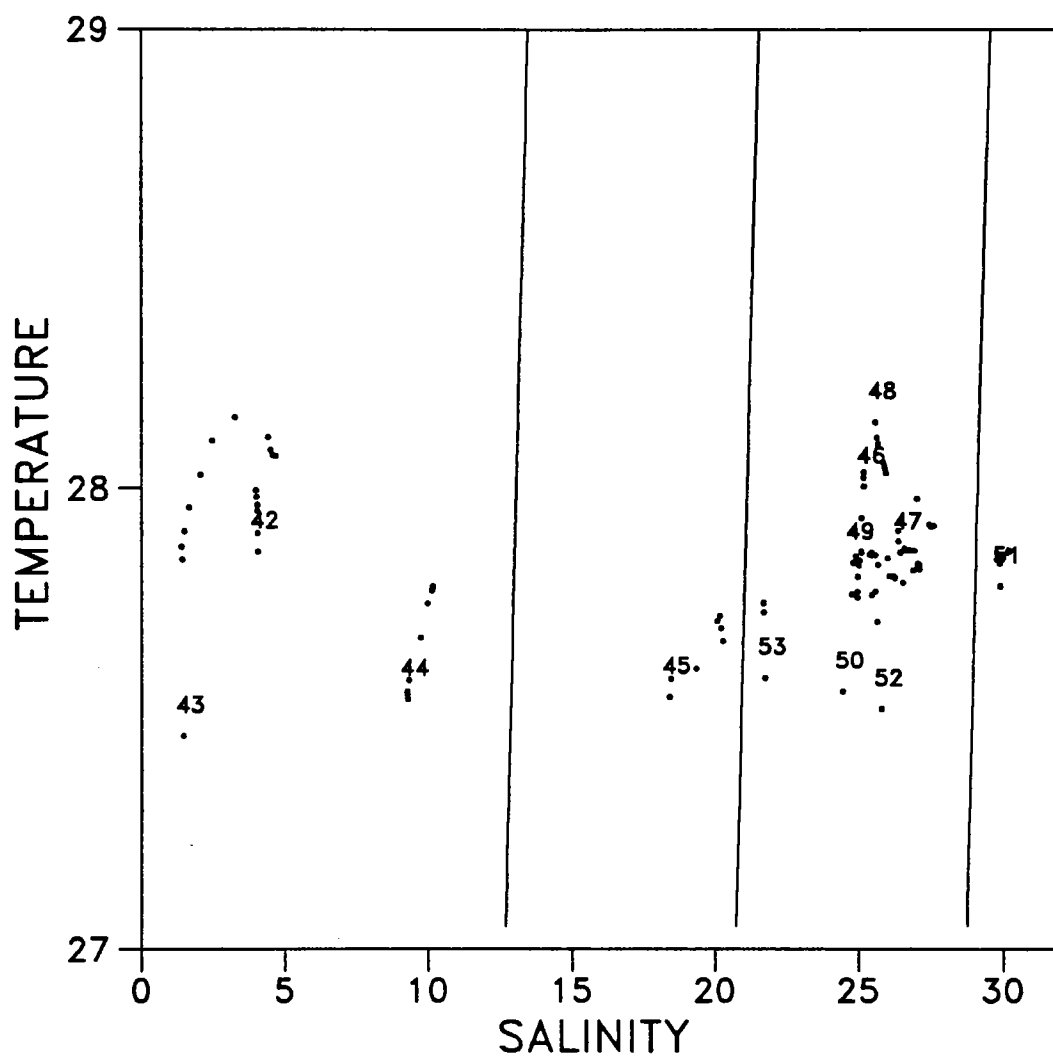
Bottom Sigma-t Nov 5-13, 1991



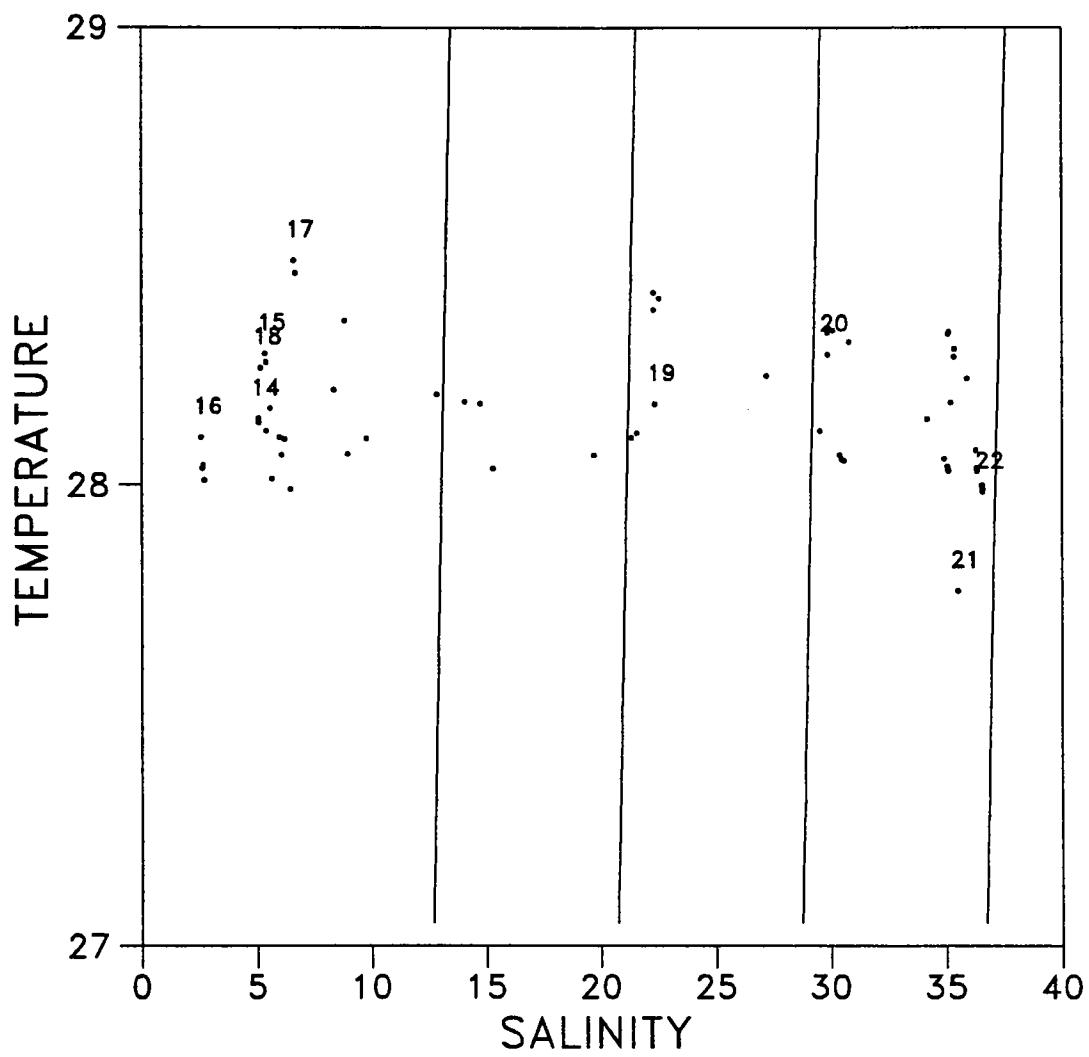
**B. Leg 4 – Small-Scale Survey — November 15–25, 1991**  
**Stations 7 to 53**

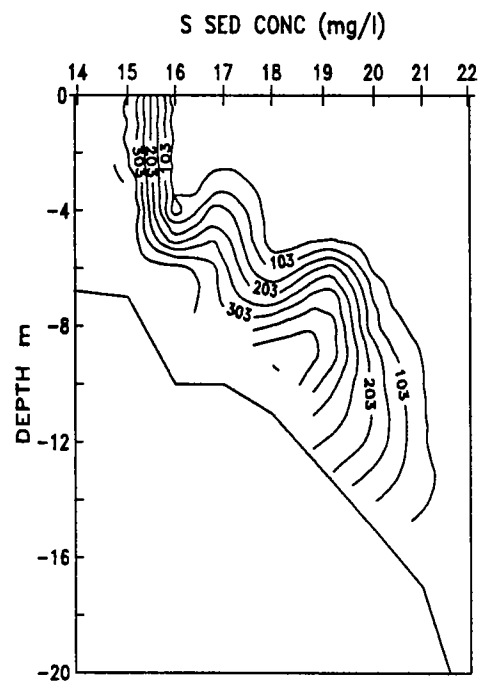
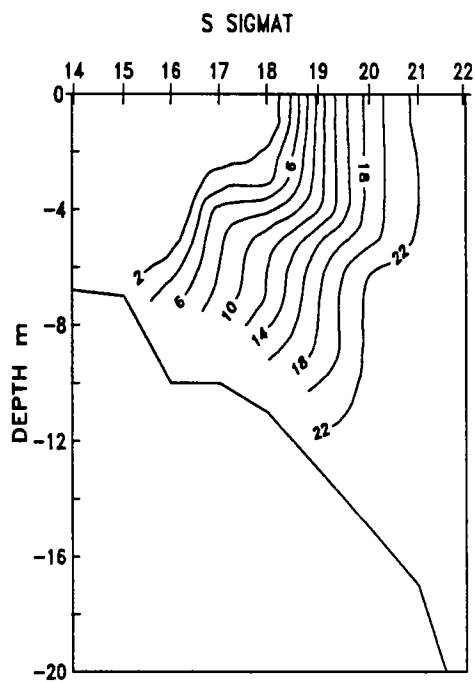
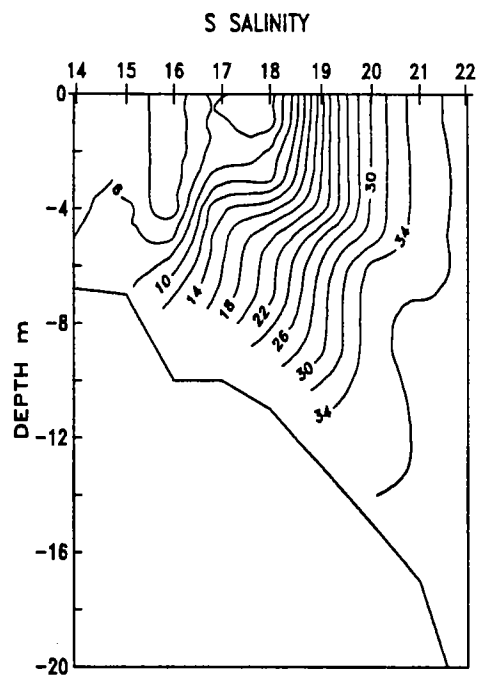
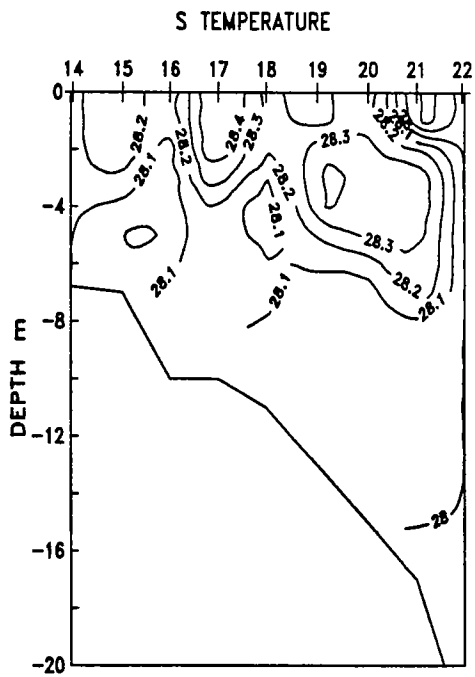


19113 Leg 4, Nov 15-23, 1991

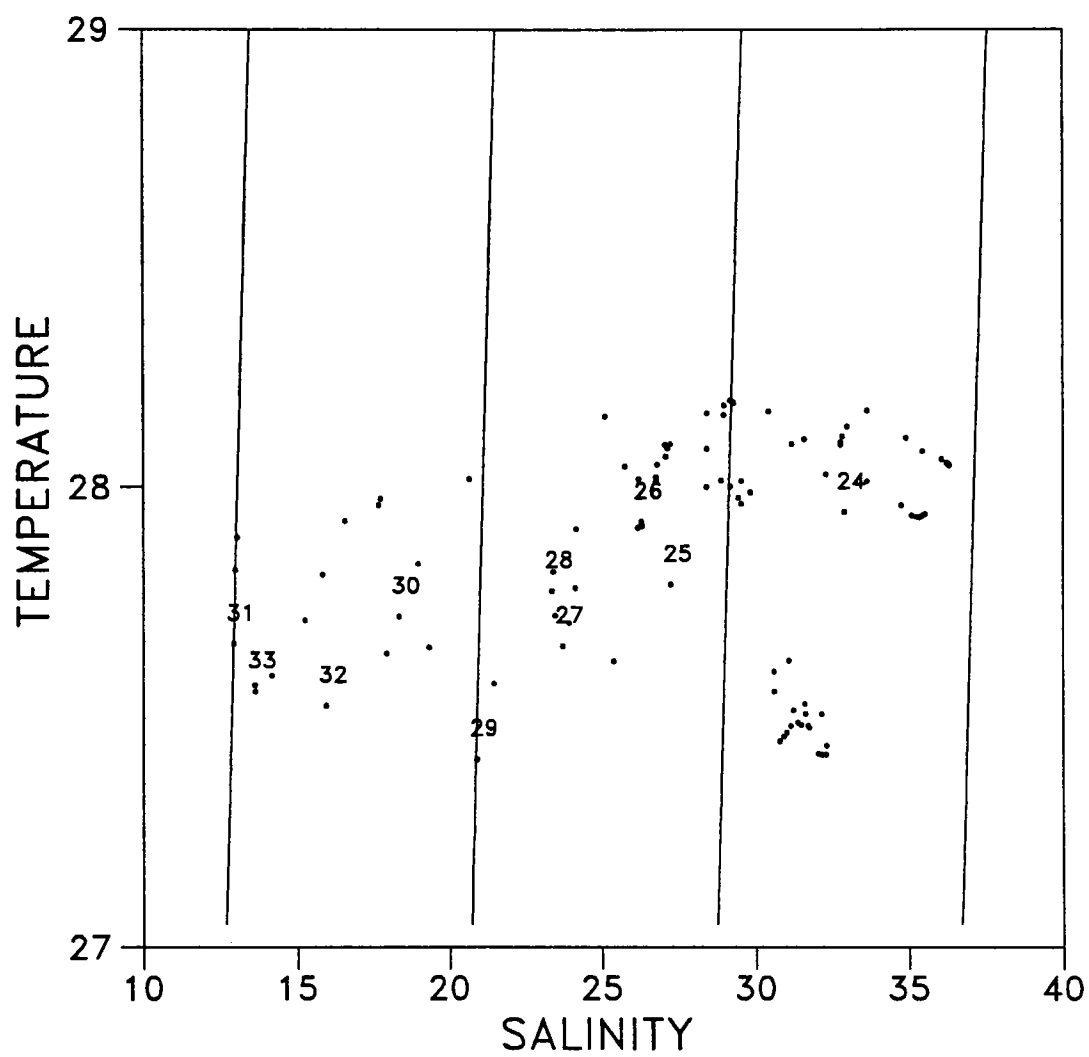


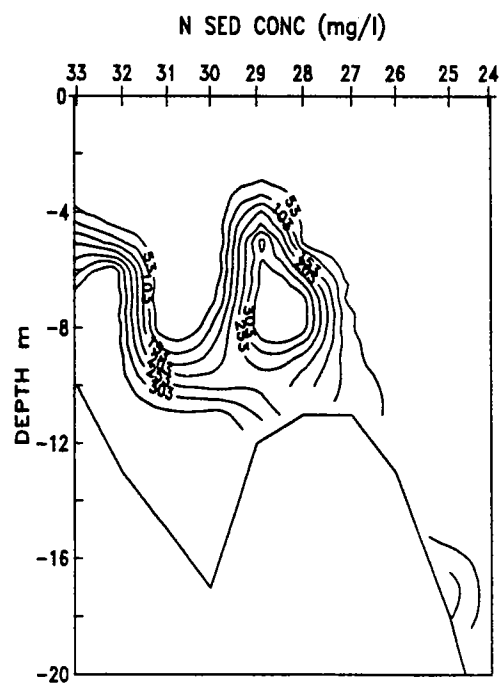
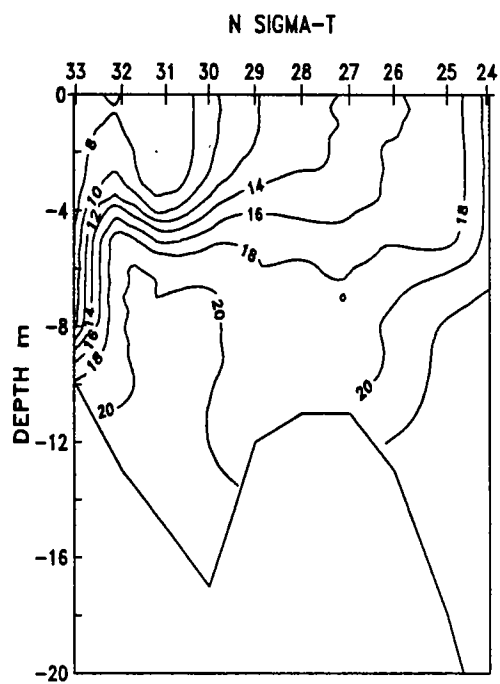
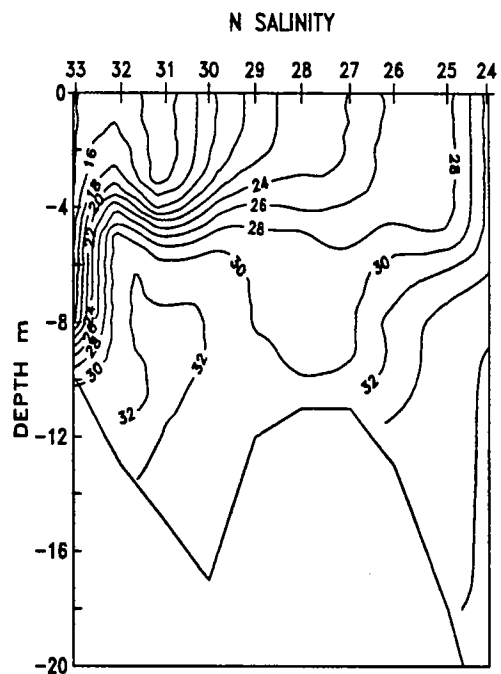
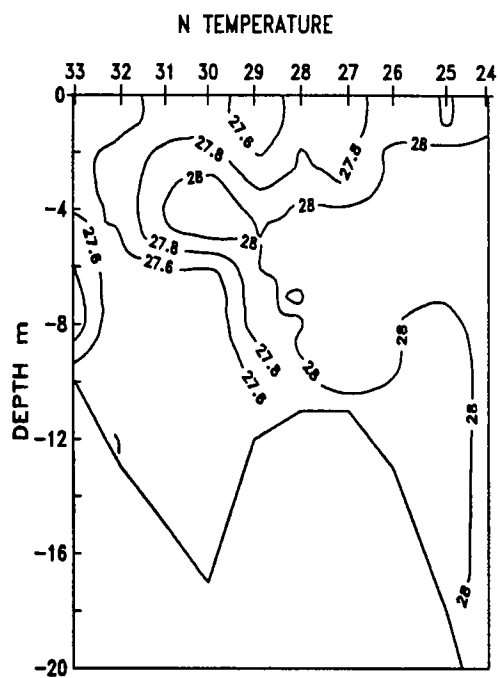


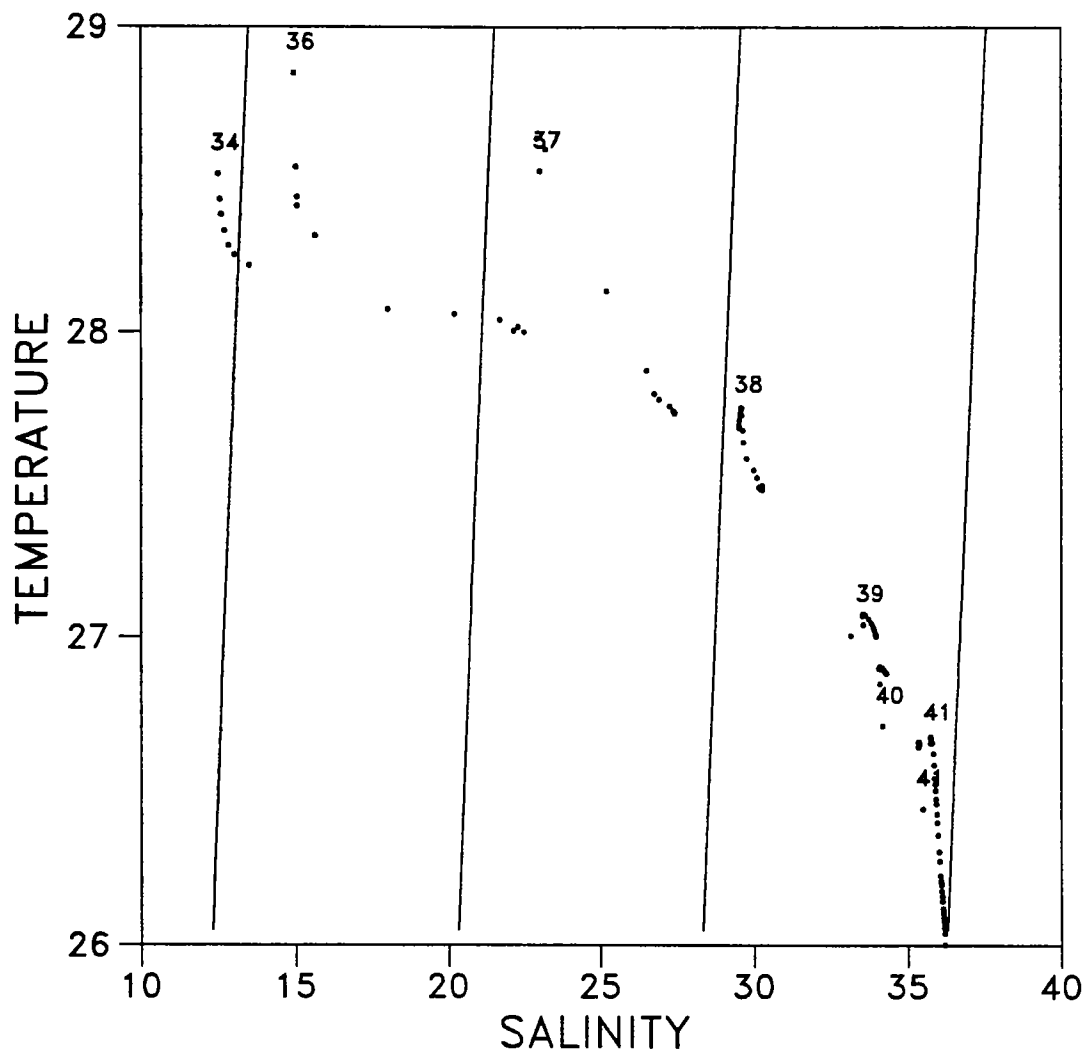




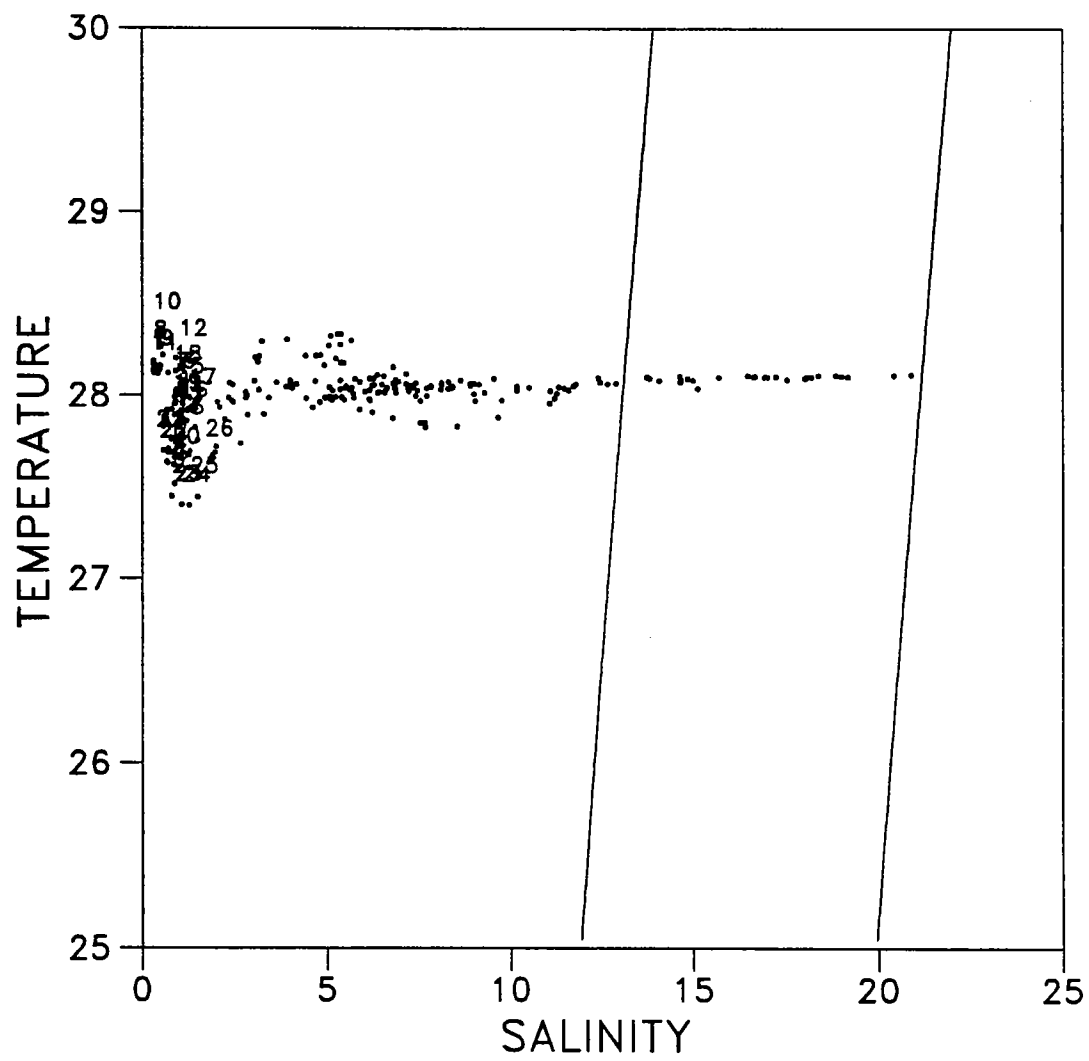




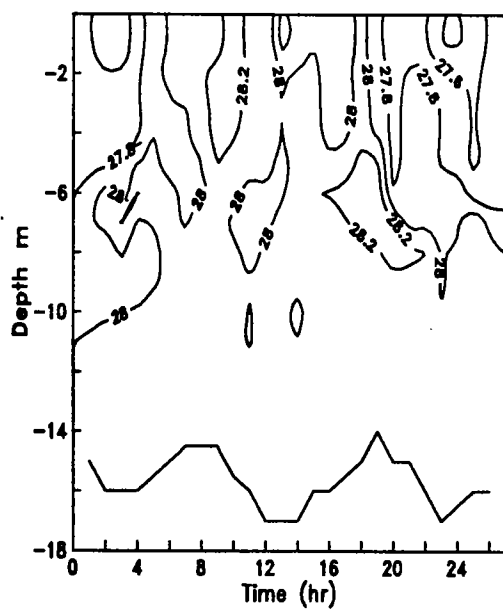




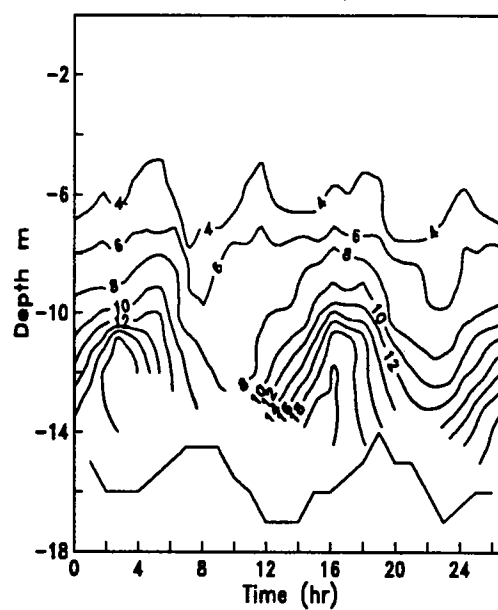




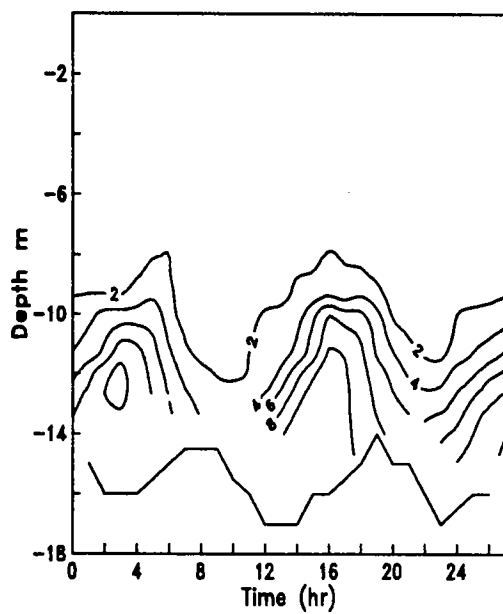
Anchor 1 Temperature



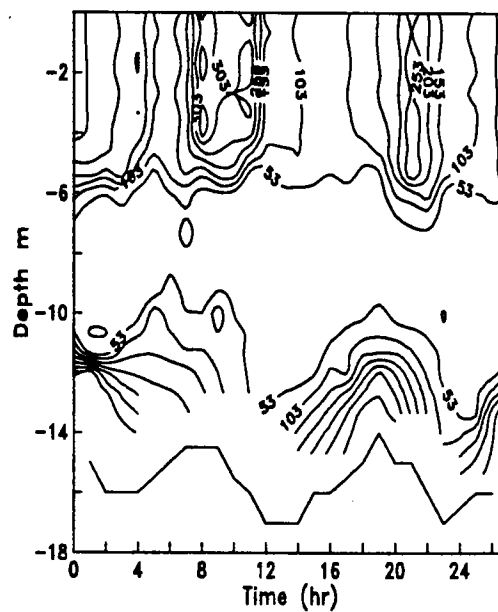
Anchor 1 Salinity

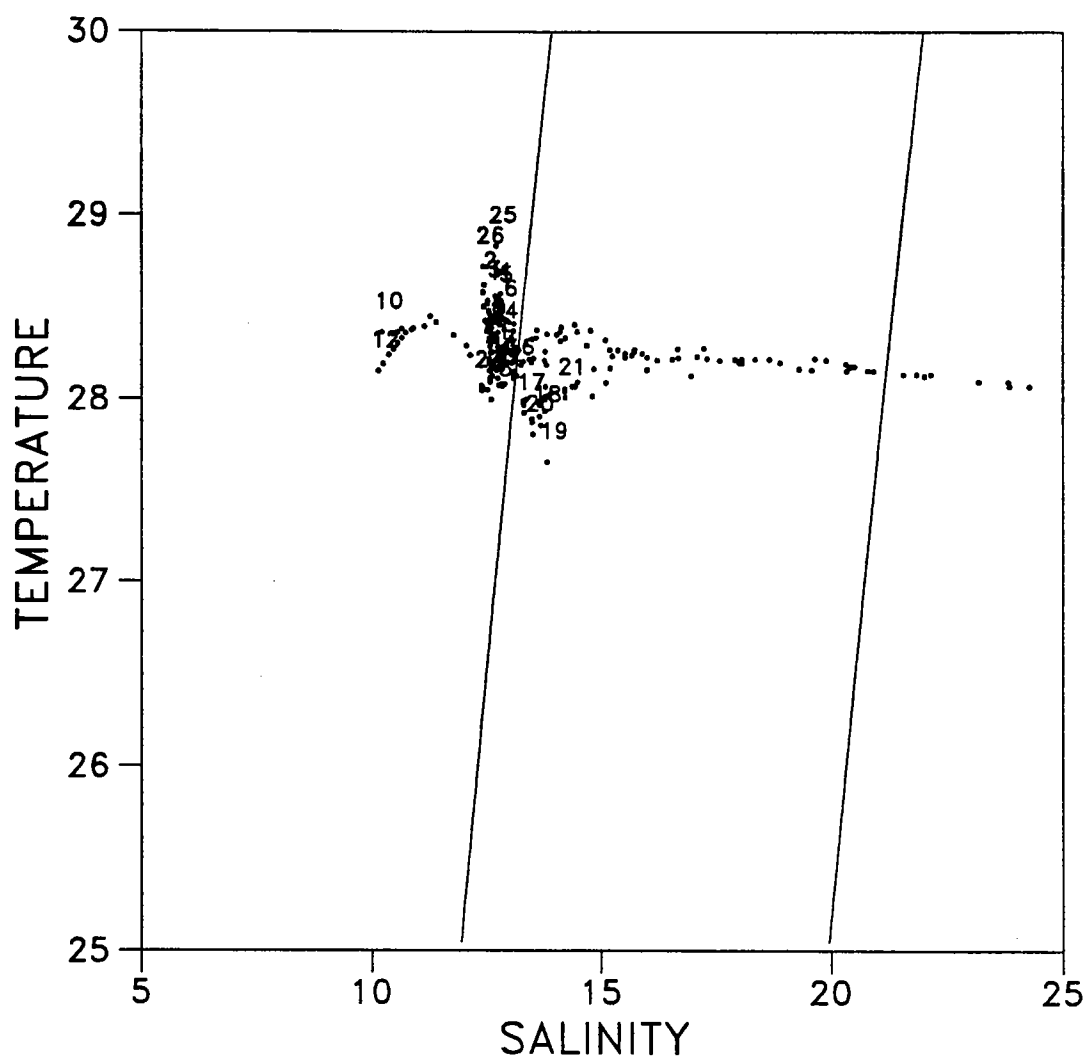


Anchor 1 SIGMA-T

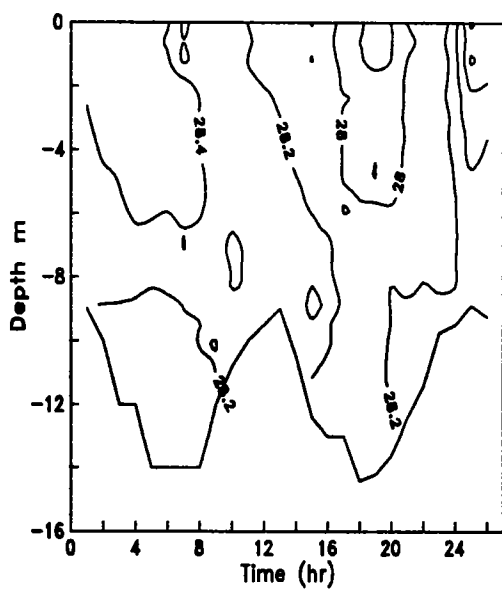


Anchor 1 Sed Conc (mg/l)

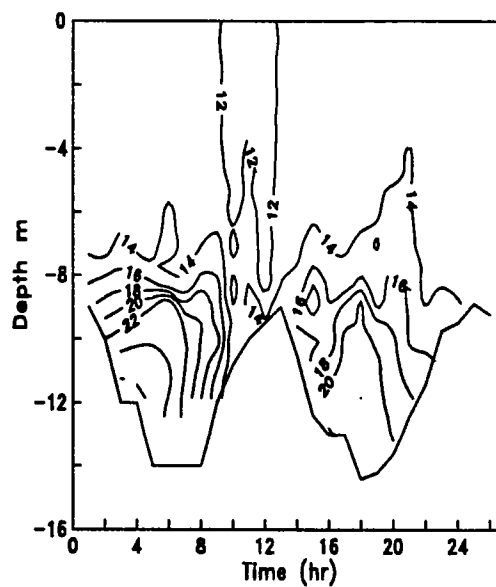




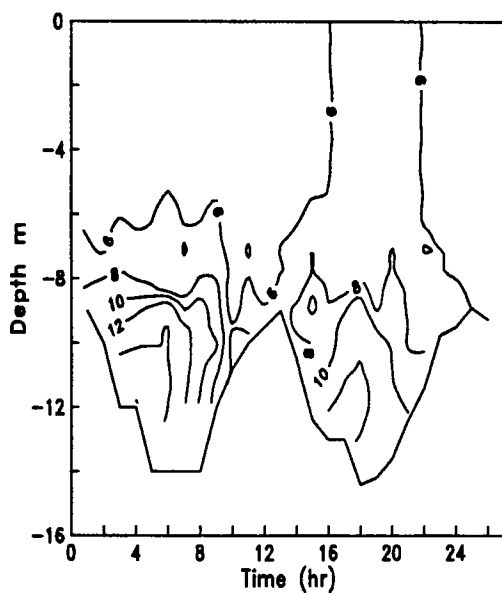
Anchor 2 Temperature



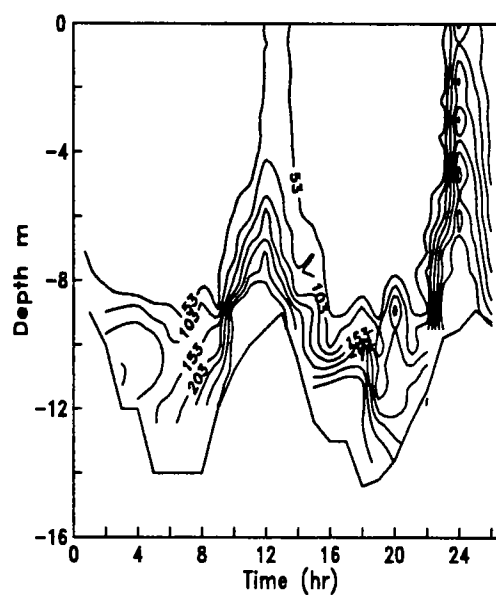
Anchor 2 Salinity



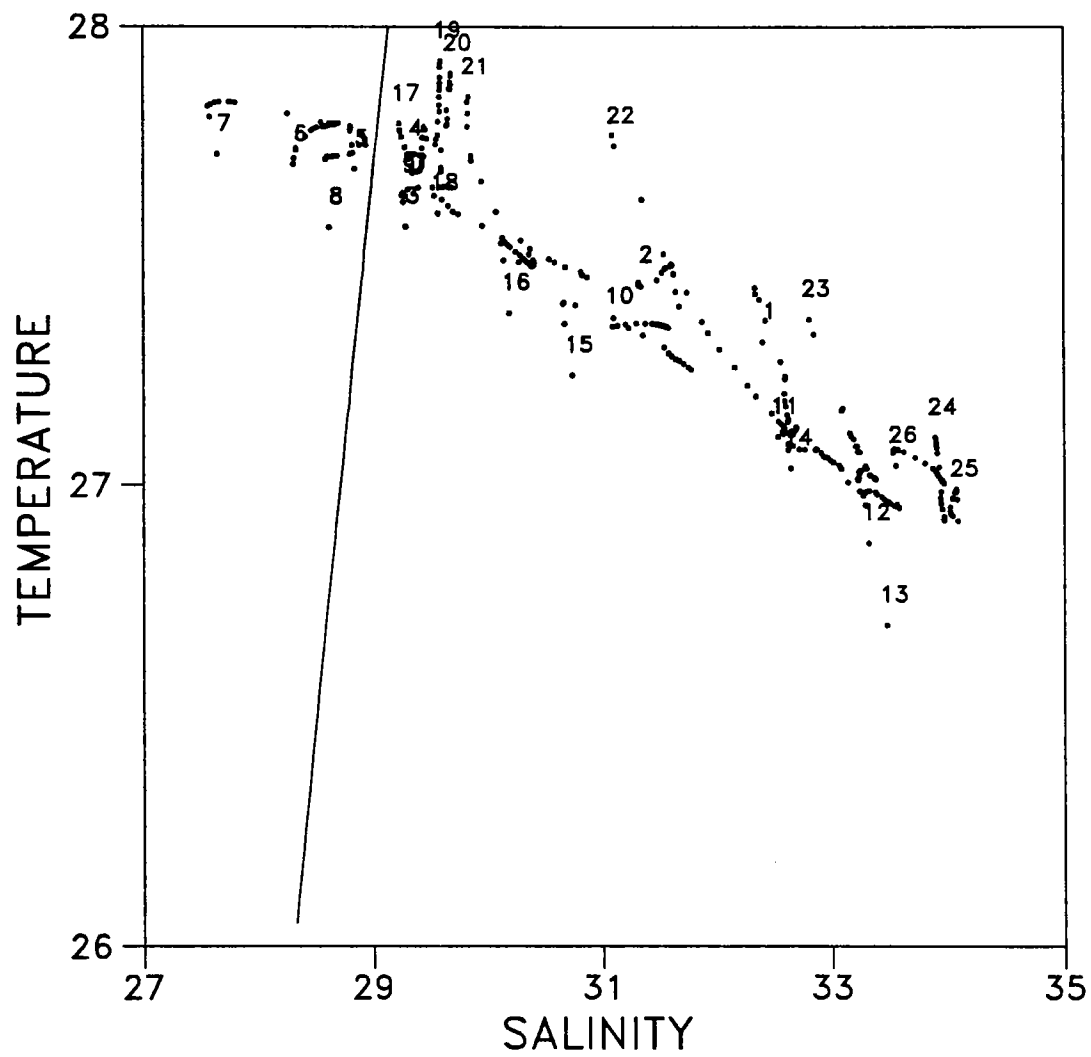
Anchor 2 Sigma-t



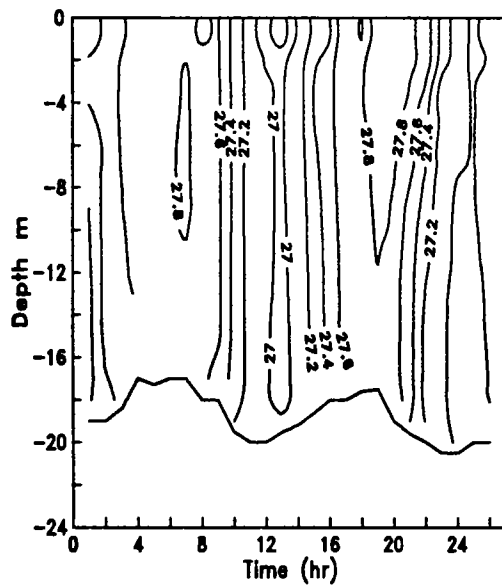
Anchor 2 Sed Conc (mg/l)



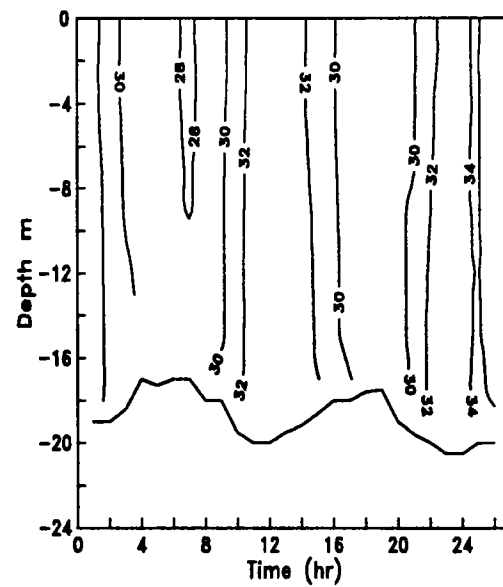




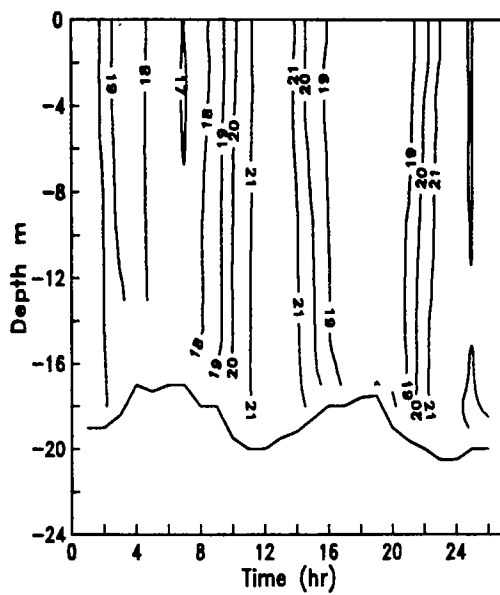
Anchor 3 Temperature



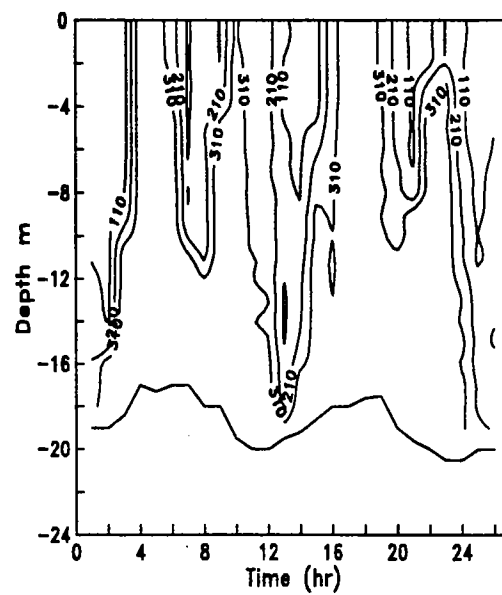
Anchor 3 Salinity

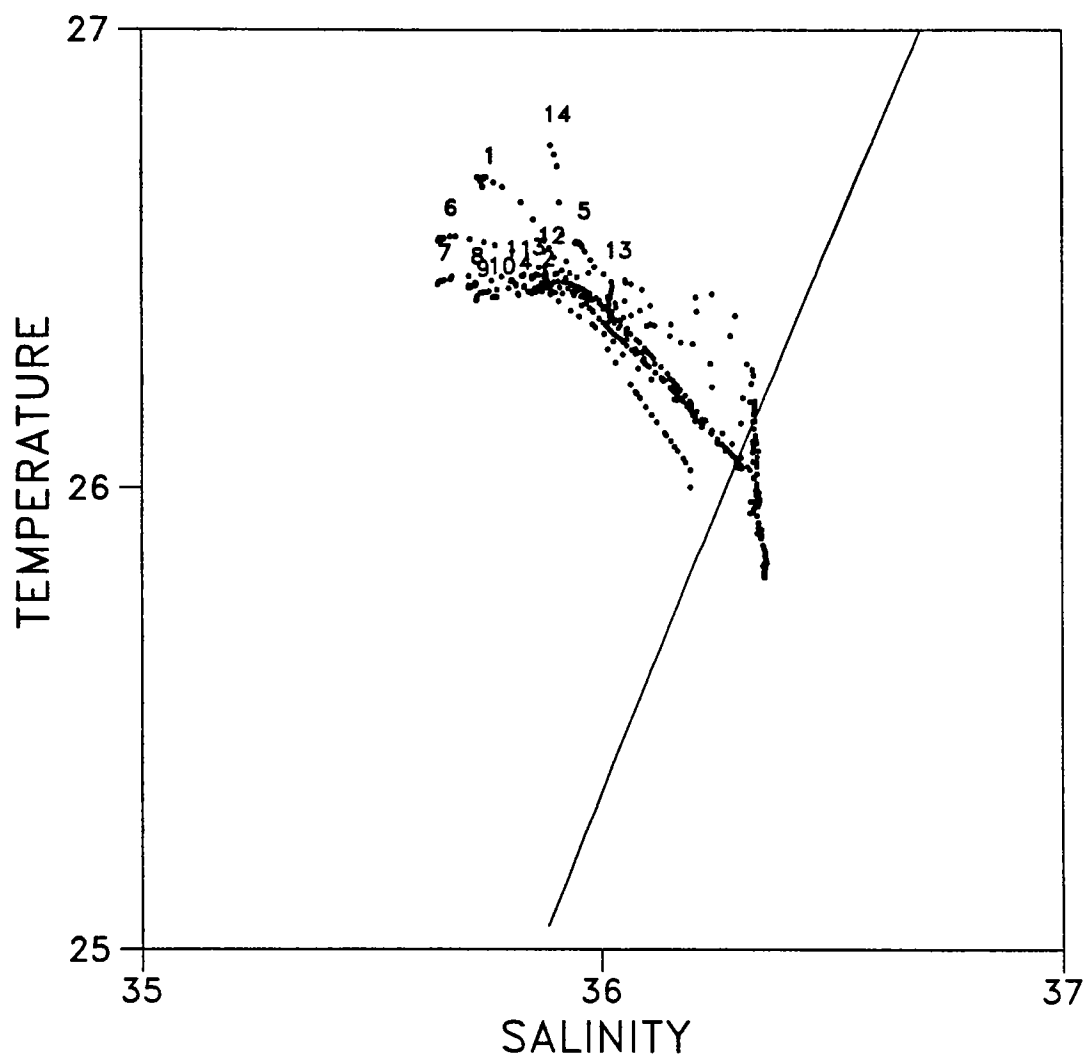


Anchor 3 Sigma-t

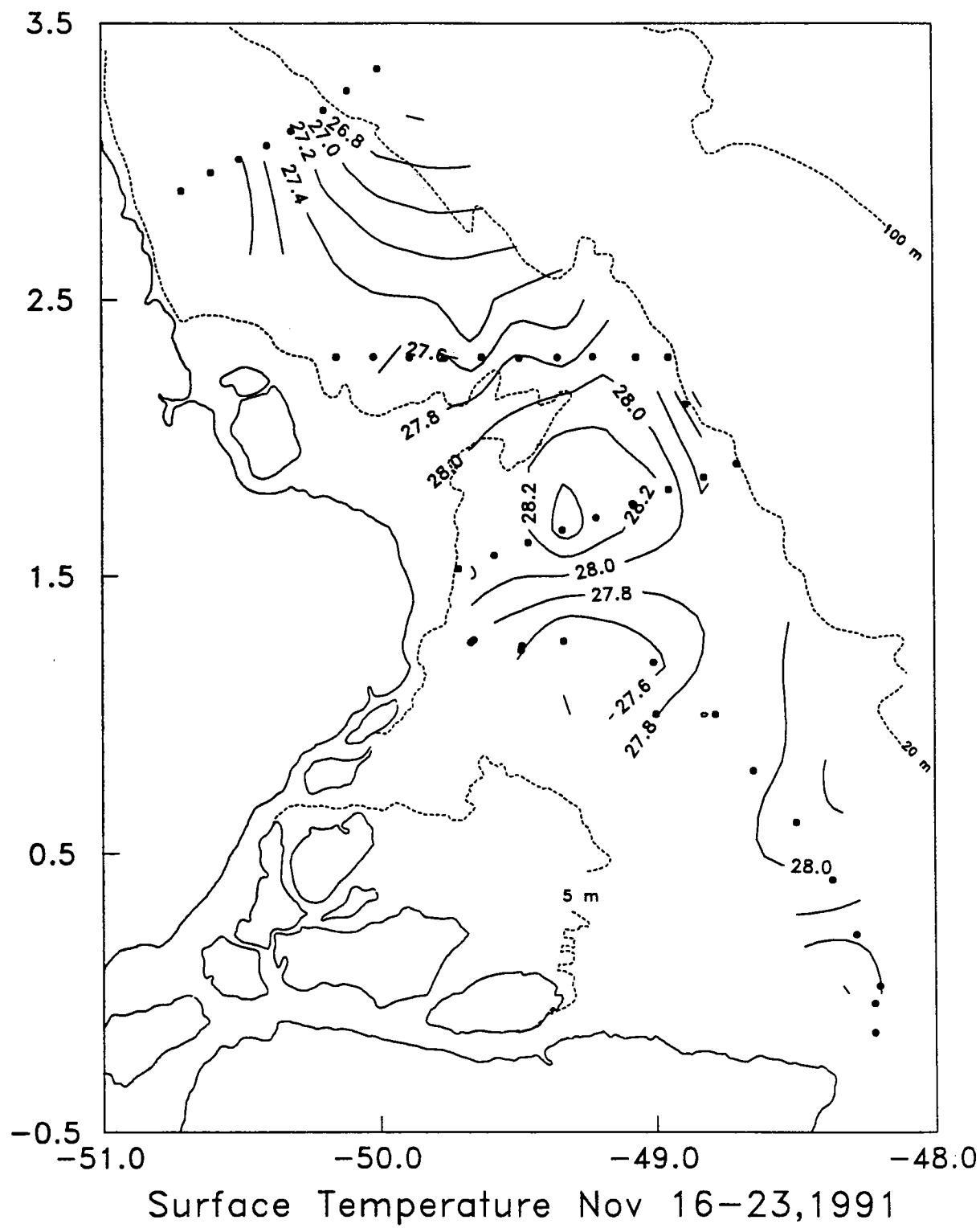


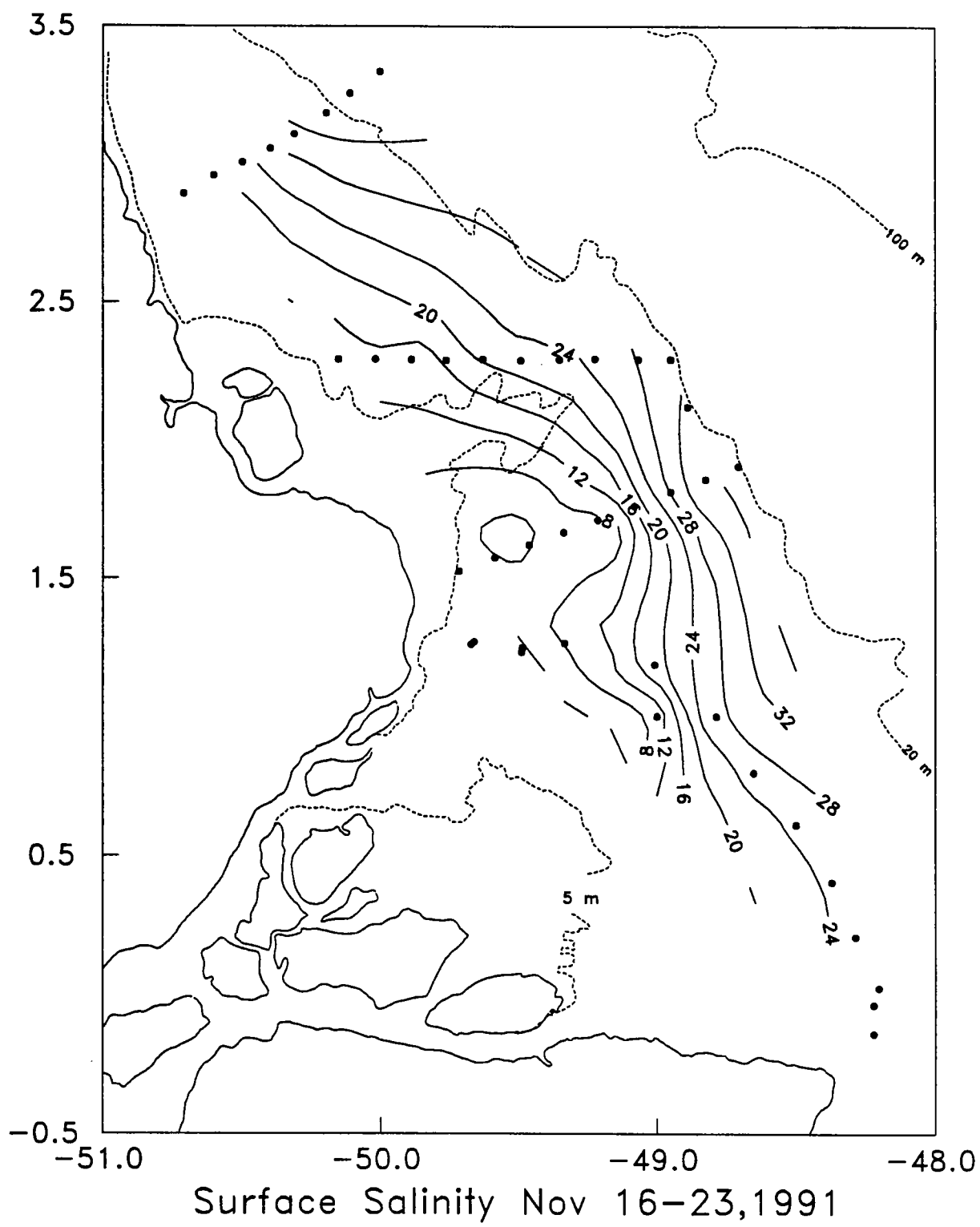
Anchor 3 Sed Conc (mg/l)

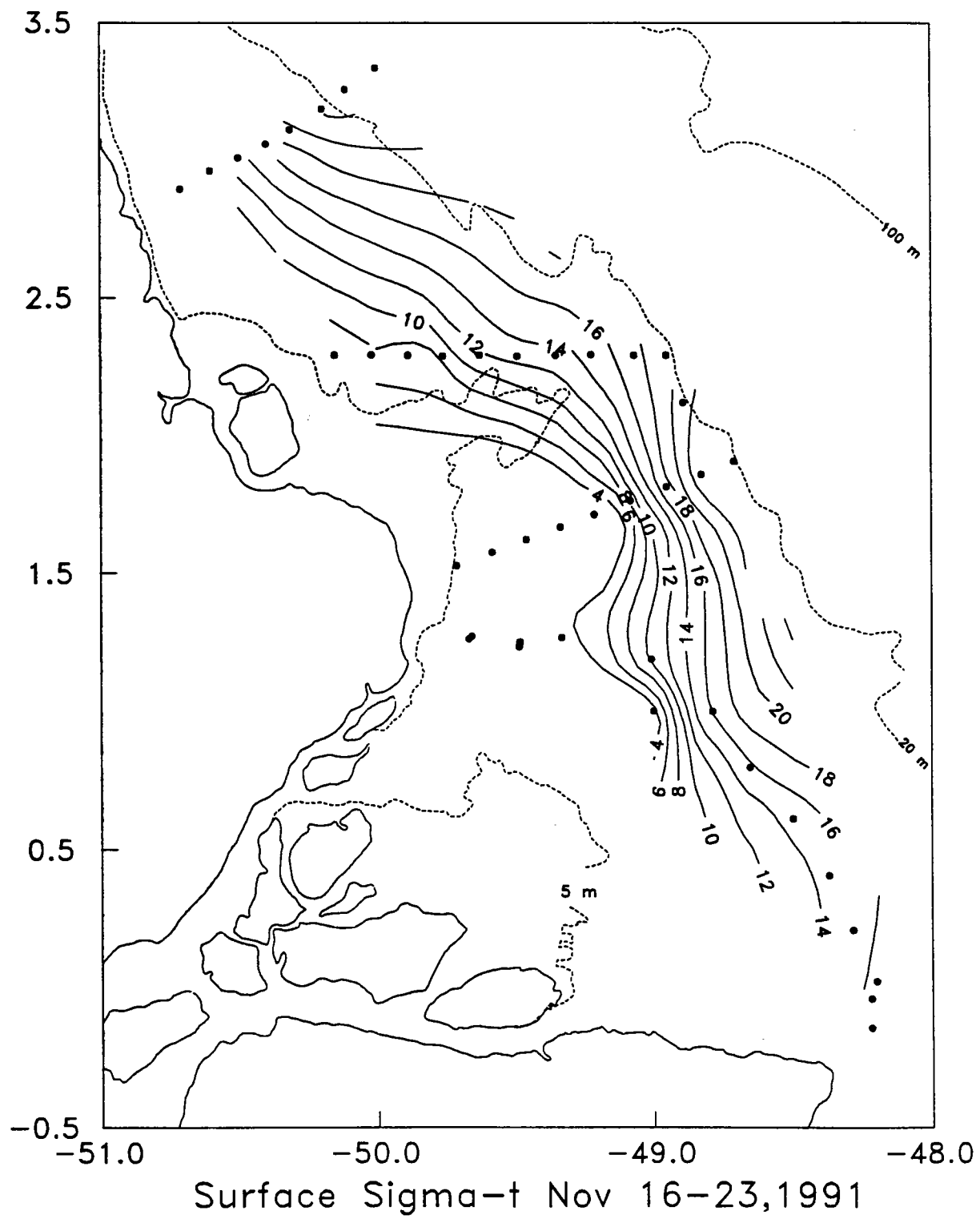


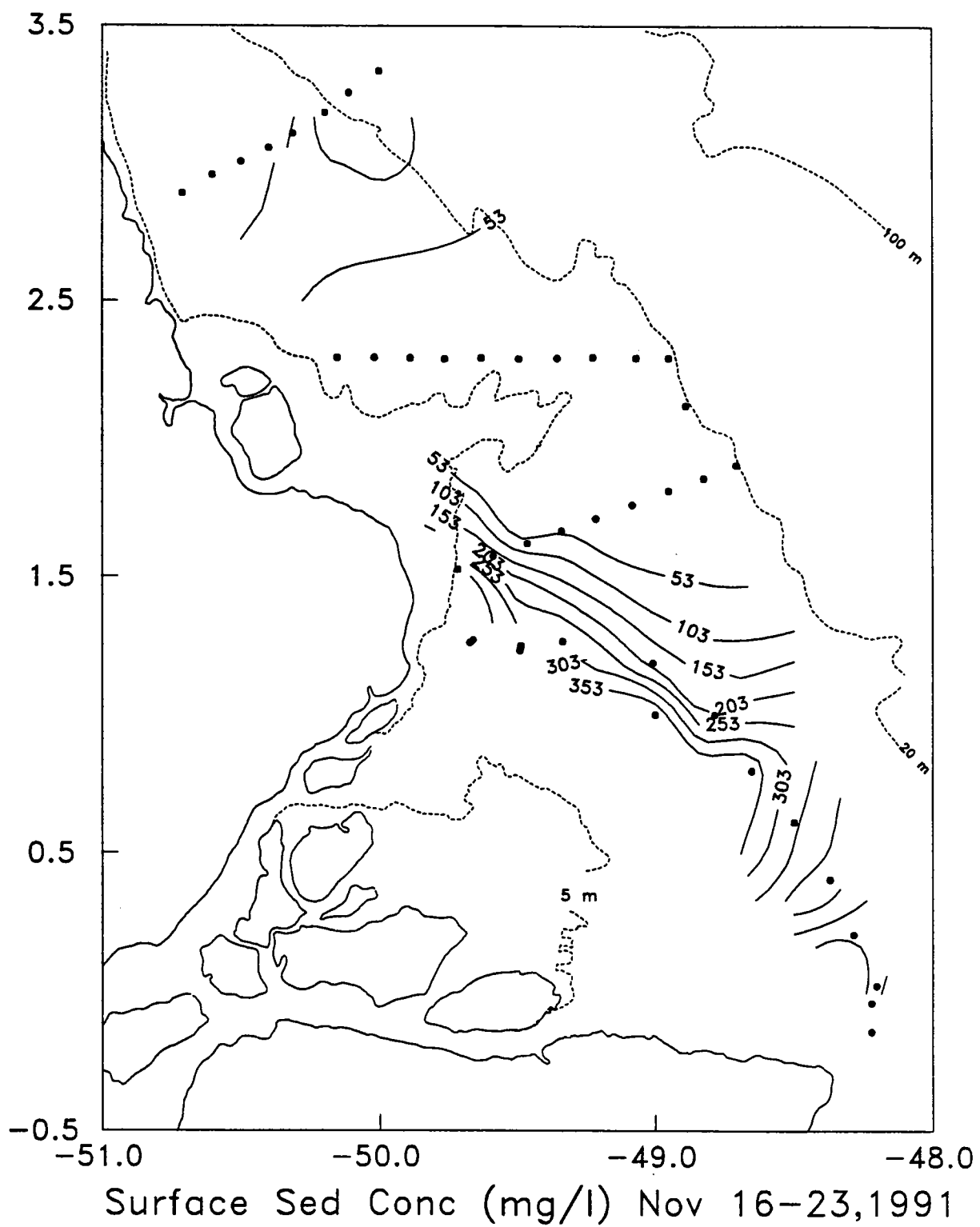




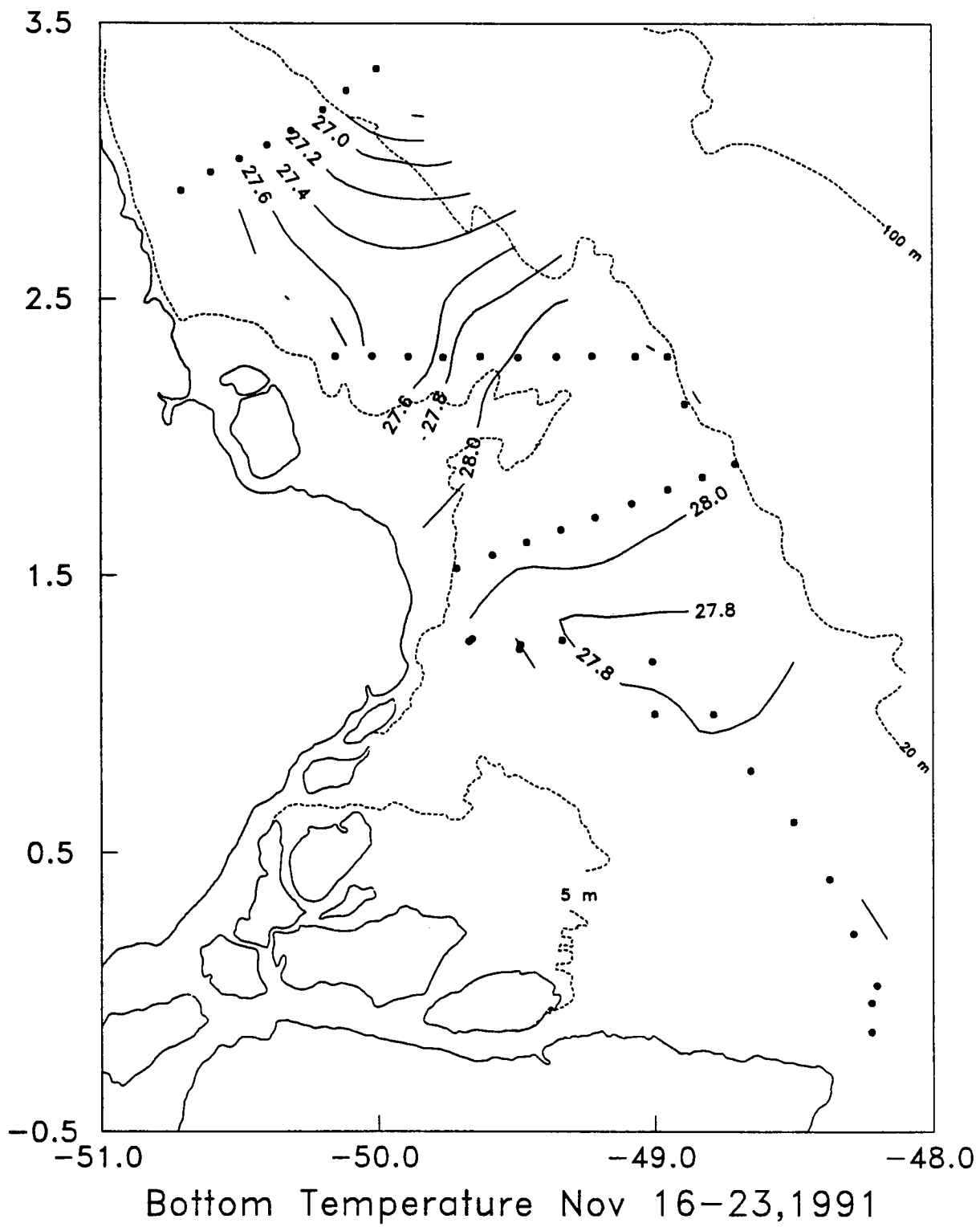


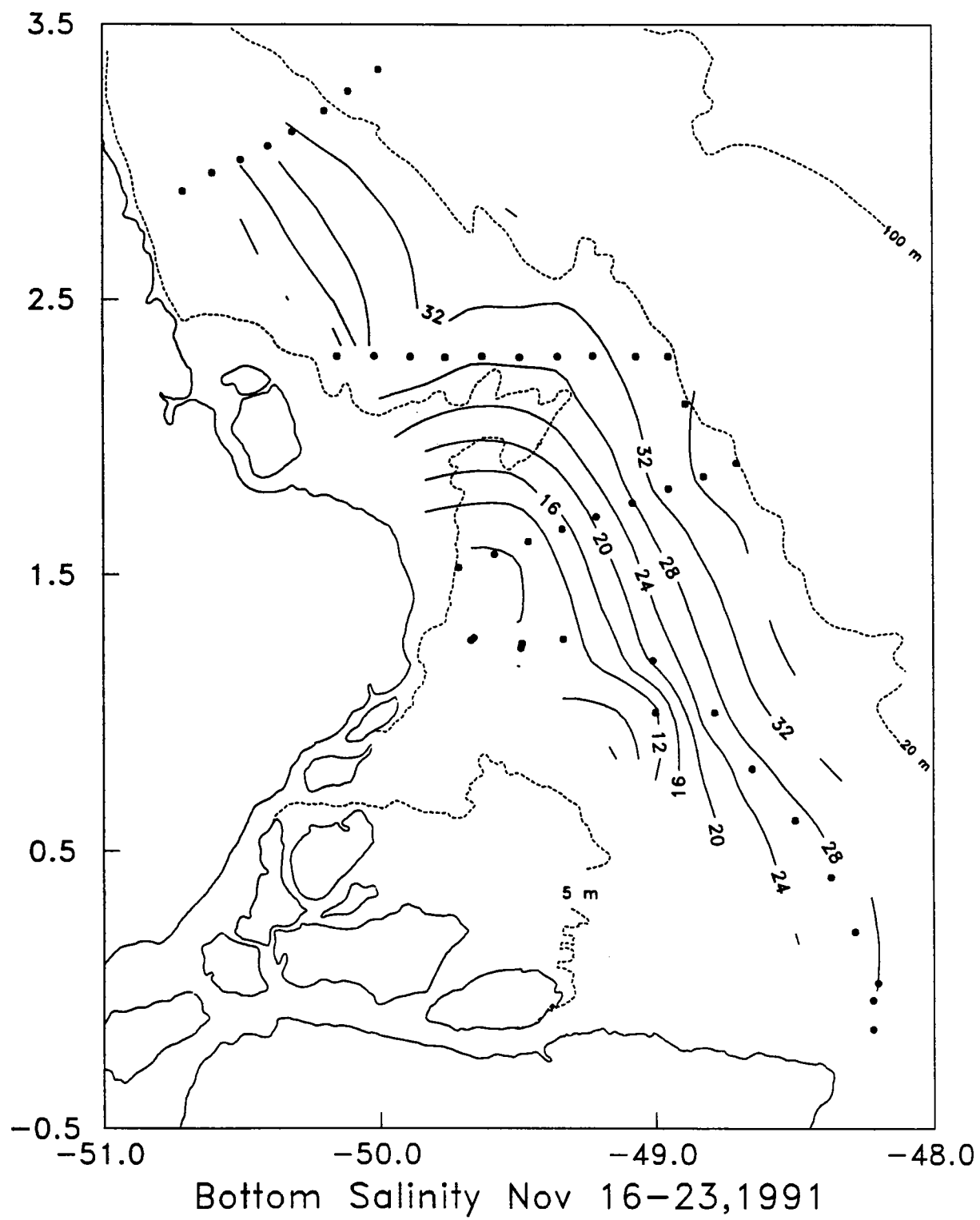


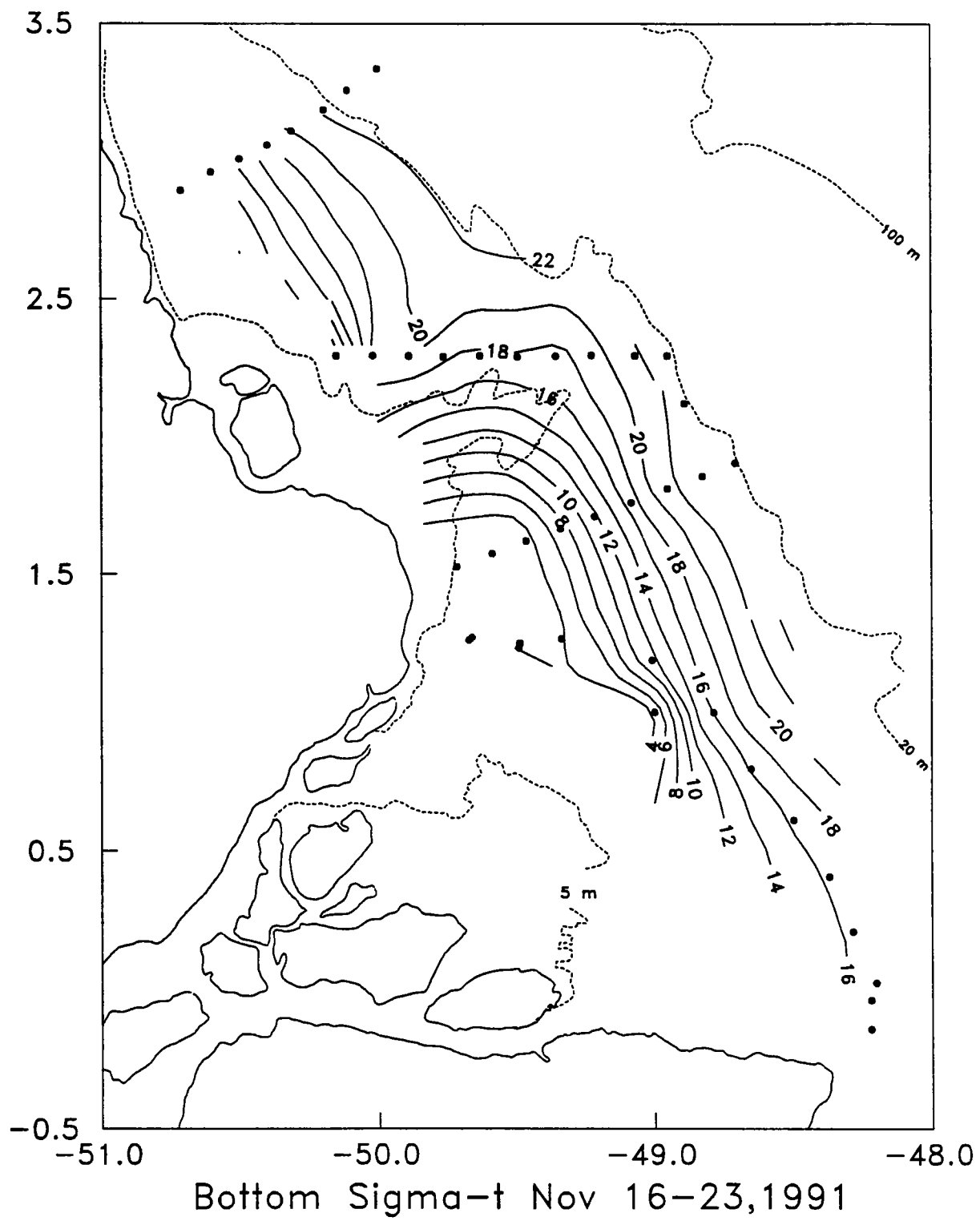


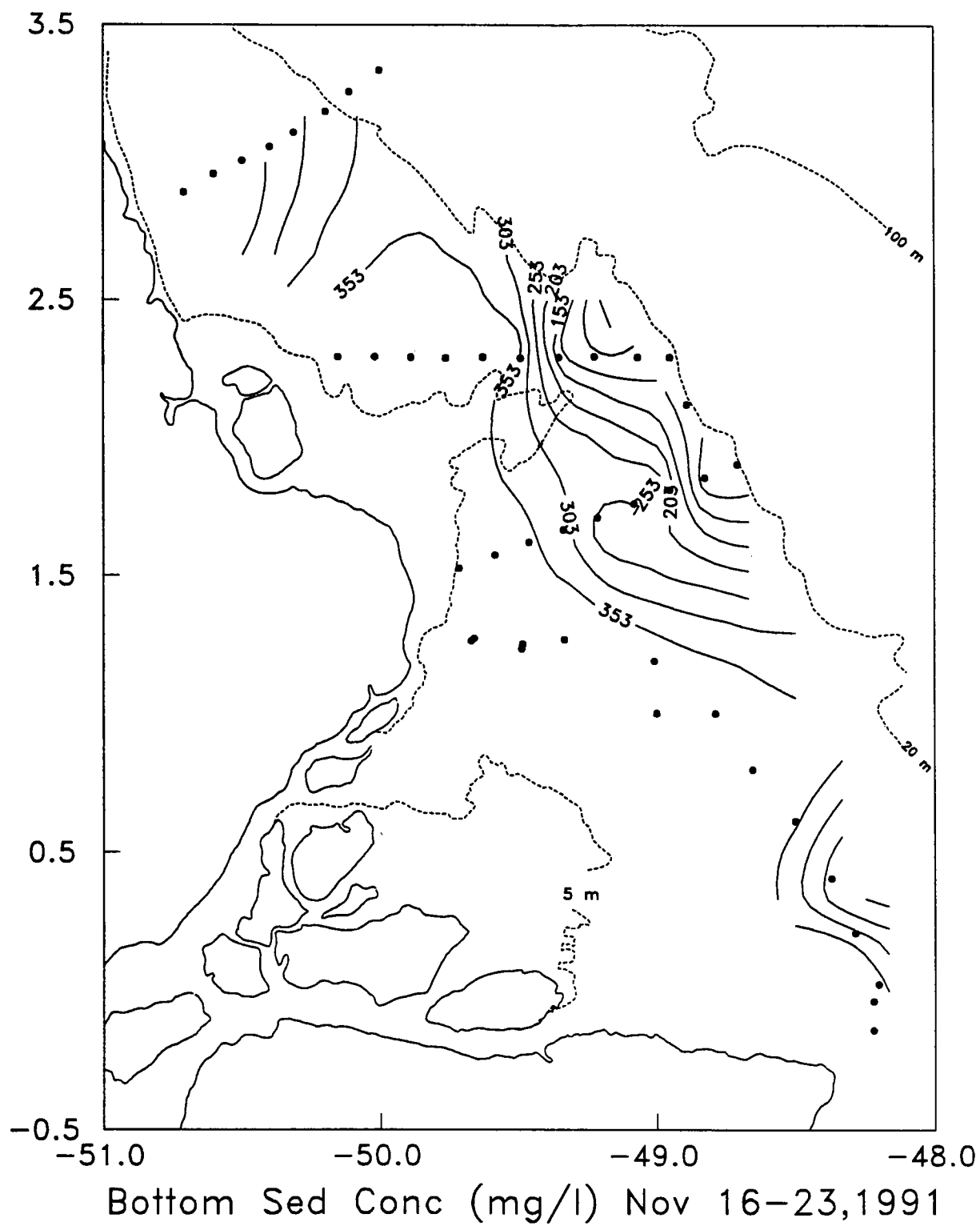
















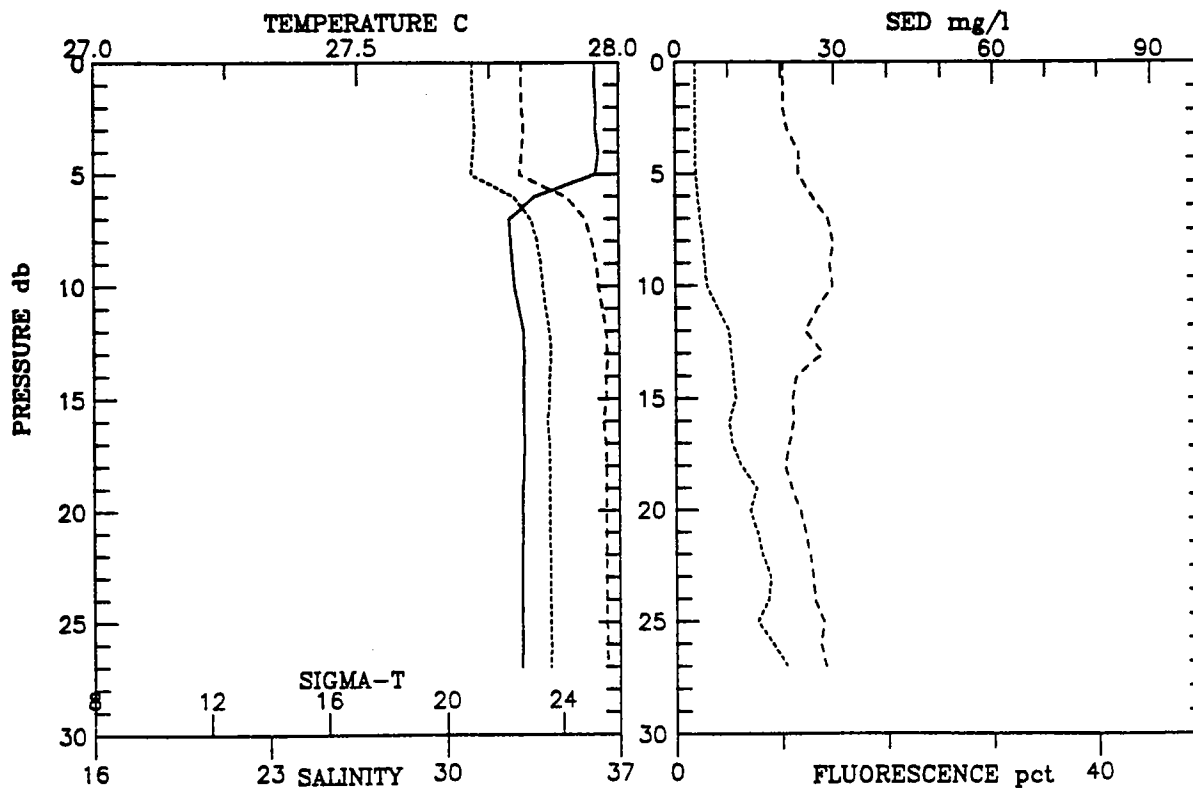


## **8. Station Listings and Profiles**



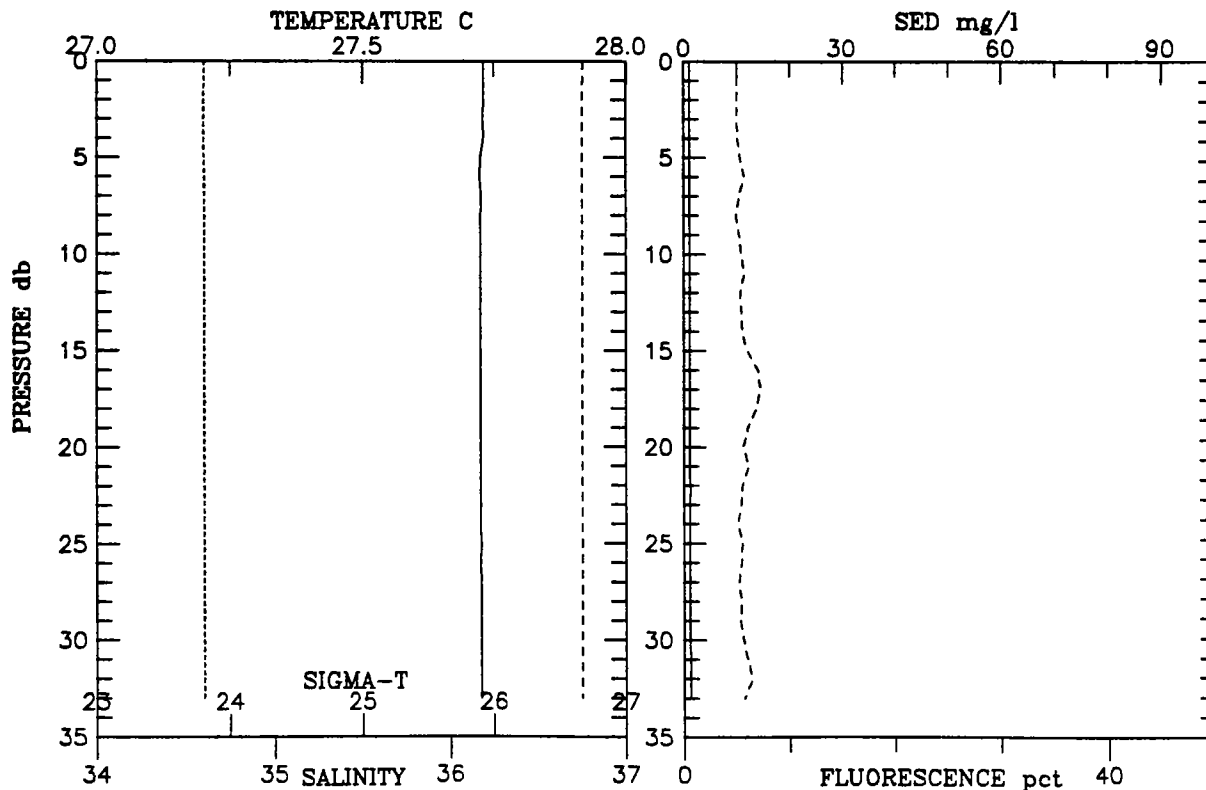
Cruise I9113 Leg 3 Station # 1 Depth m:26.0 Time: 1991-11-05 15:37  
 Position: 0° 6.07'S 47° 47.23'W Depth Deck Offset: 2.40 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.954	33.031	20.932	0.0000	0.000	10.2	3.8
2.0	27.956	33.065	20.957	0.0137	0.000	10.2	3.8
4.0	27.960	33.048	20.942	0.0274	0.000	11.7	3.8
6.0	27.836	34.852	22.339	0.0405	0.000	12.9	4.3
8.0	27.789	35.904	23.146	0.0506	0.000	14.9	5.3
10.0	27.797	36.149	23.327	0.0599	0.000	14.8	6.0
12.0	27.814	36.449	23.548	0.0688	0.000	12.2	10.1
14.0	27.814	36.456	23.553	0.0775	0.000	11.4	10.9
16.0	27.814	36.349	23.472	0.0863	0.000	11.1	10.1
18.0	27.814	36.440	23.541	0.0951	0.000	10.3	12.3
20.0	27.811	36.454	23.552	0.1038	0.000	11.7	14.0
22.0	27.810	36.459	23.556	0.1125	0.000	12.6	16.2
24.0	27.810	36.461	23.558	0.1213	0.000	13.0	17.4
26.0	27.810	36.491	23.581	0.1300	0.000	13.6	18.2
27.0	27.810	36.462	23.559	0.1344	0.000	14.1	20.8



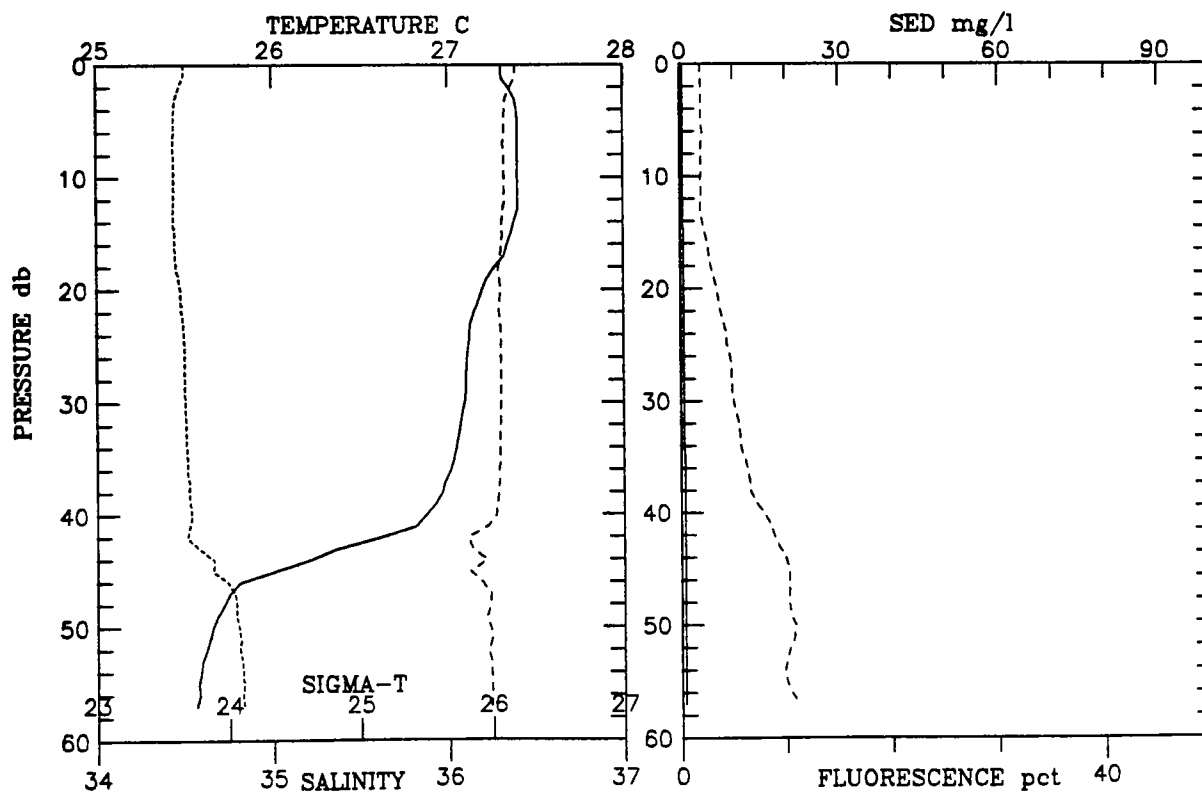
Cruise I9113 Leg 3 Station # 2 Depth m:35 Time: 1991-11-05 19:49  
 Position: 0° 18.66'N 47° 23.24'W Depth Deck Offset: 1.90 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.730	36.753	23.804	0.0000	0.000	5.0	1.1
2.0	E	27.730	36.752	23.803	0.0082	0.000	5.0	1.1
4.0		27.730	36.750	23.802	0.0165	0.000	5.1	1.1
6.0		27.723	36.752	23.806	0.0247	0.000	5.7	1.1
8.0		27.724	36.751	23.805	0.0330	0.000	4.9	1.1
10.0		27.724	36.751	23.805	0.0412	0.000	5.4	1.1
12.0		27.724	36.751	23.804	0.0495	0.000	5.3	1.1
14.0		27.725	36.752	23.805	0.0577	0.000	5.5	1.1
16.0		27.725	36.753	23.806	0.0659	0.000	7.0	1.1
18.0		27.725	36.752	23.805	0.0742	0.000	6.8	1.1
20.0		27.725	36.752	23.805	0.0825	0.000	5.6	1.1
22.0		27.725	36.752	23.805	0.0907	0.000	5.5	1.2
24.0		27.725	36.752	23.805	0.0990	0.000	5.1	1.1
26.0		27.725	36.752	23.805	0.1072	0.000	5.4	1.1
28.0		27.725	36.752	23.805	0.1155	0.000	5.4	1.1
30.0		27.725	36.752	23.805	0.1237	0.000	5.6	1.1
32.0		27.725	36.752	23.805	0.1320	0.000	6.4	1.2
33.0		27.725	36.752	23.805	0.1361	0.000	5.7	1.2



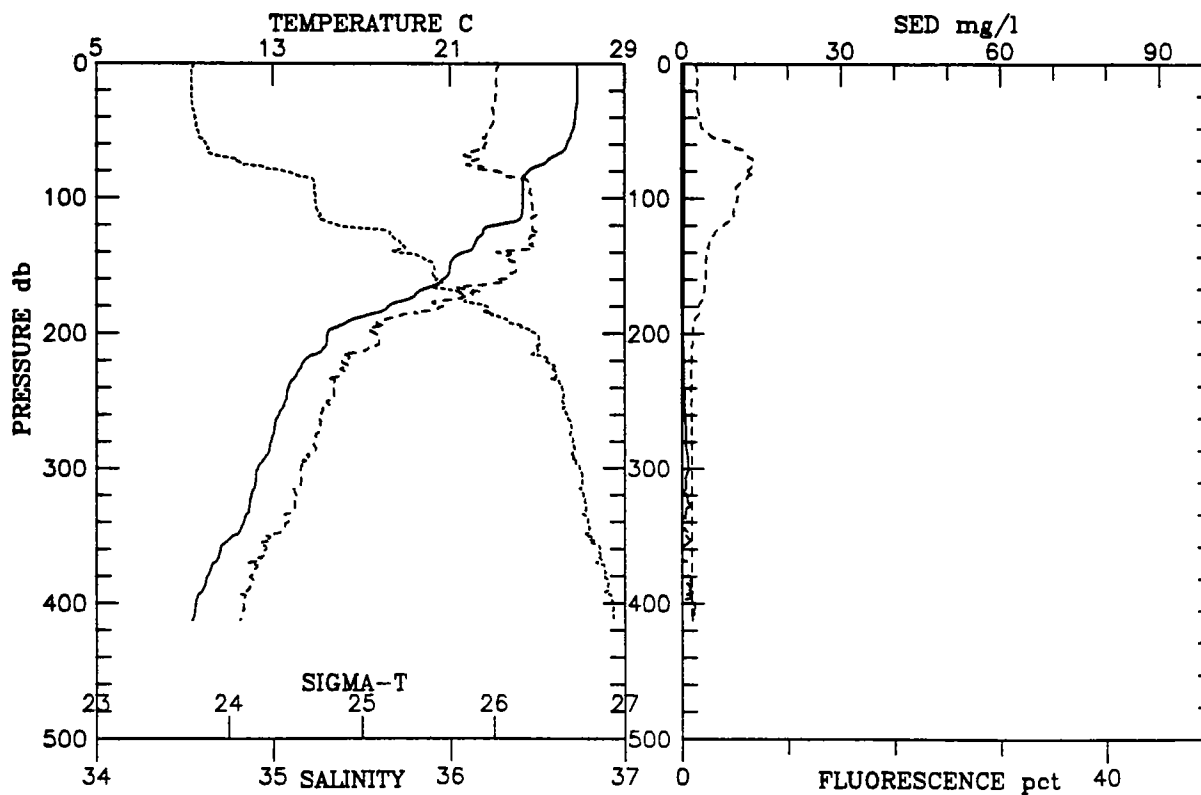
Cruise I9113 Leg 3 Station # 3 Depth m:60 Time: 1991-11-06 00:36  
 Position: 0° 54.12'N 46° 46.91'W Depth Deck Offset: 1.60 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.306	36.388	23.667	0.0000	0.000	1.9	0.4
5.0		27.397	36.321	23.587	0.0215	0.000	2.0	0.4
10.0		27.398	36.320	23.586	0.0431	0.000	1.9	0.4
15.0		27.357	36.309	23.591	0.0648	0.000	2.3	0.5
20.0		27.192	36.296	23.634	0.0864	0.000	3.4	0.5
25.0		27.113	36.301	23.664	0.1077	0.000	4.4	0.5
30.0		27.092	36.299	23.669	0.1291	0.000	5.0	0.5
35.0		27.030	36.293	23.684	0.1503	0.000	6.0	0.6
40.0		26.871	36.270	23.718	0.1715	0.000	7.9	0.6
45.0		26.007	36.120	23.878	0.1924	0.000	10.2	0.6
50.0		25.656	36.234	24.074	0.2121	0.000	10.8	0.7
55.0		25.570	36.242	24.106	0.2314	0.000	10.0	0.7
57.0		25.562	36.239	24.107	0.2391	0.000	11.2	0.7



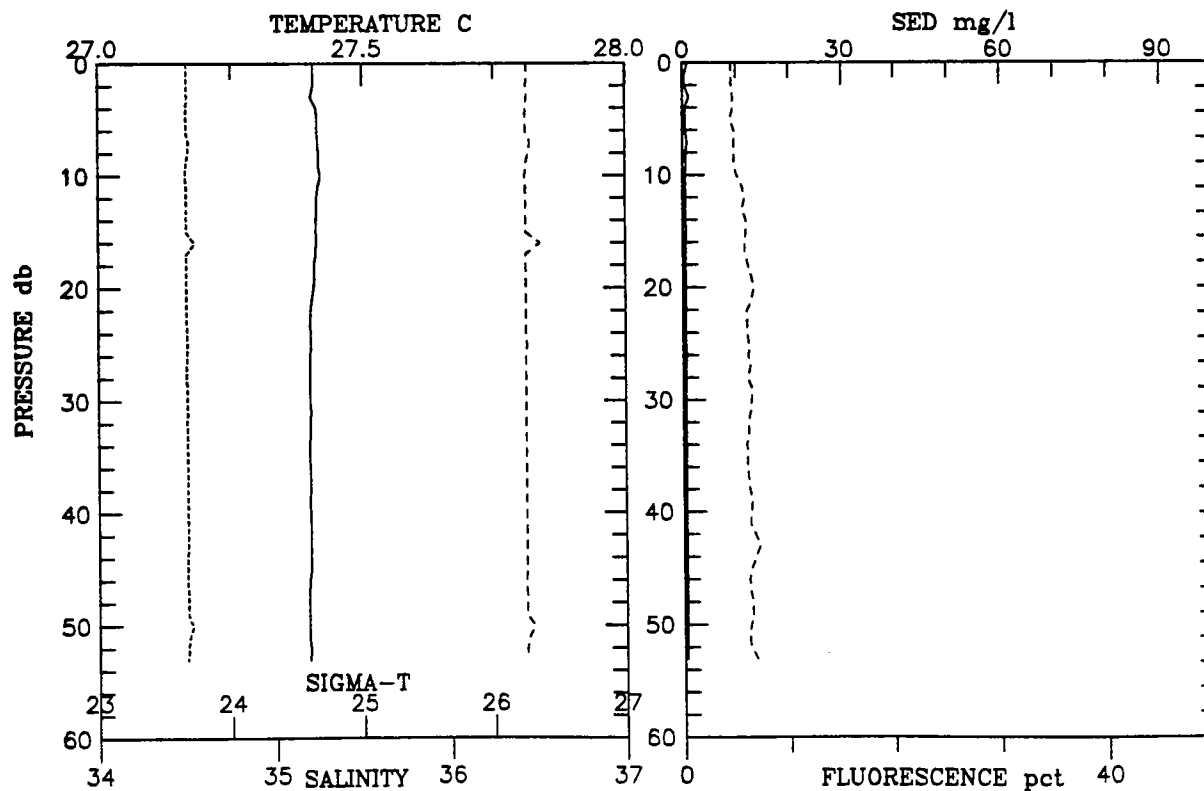
Cruise I9113 Leg 3 Station # 4 Depth m:628 Time: 1991-11-06 04:44  
 Position: 1° 26.29'N 46° 16.47'W Depth Deck Offset: 1.65 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 26.829	36.278	23.737	0.0000	0.000	1.3	0.4
10.0	26.842	36.268	23.725	0.0419	0.000	1.4	0.4
20.0	26.838	36.264	23.724	0.0839	0.000	1.4	0.4
30.0	26.814	36.261	23.729	0.1260	0.000	1.5	0.4
40.0	26.727	36.253	23.751	0.1680	0.000	1.6	0.4
50.0	26.598	36.223	23.769	0.2098	0.000	2.2	0.4
60.0	26.358	36.203	23.830	0.2514	0.000	4.8	0.4
70.0	25.620	36.146	24.018	0.2922	0.000	6.5	0.4
80.0	24.593	36.266	24.424	0.3302	0.000	6.3	0.4
100.0	24.339	36.464	24.650	0.3980	0.000	5.3	0.4
150.0	21.003	36.380	25.545	0.5475	0.000	2.2	0.3
200.0	15.453	35.577	26.317	0.6599	0.000	1.0	0.2
250.0	13.541	35.302	26.517	0.7444	0.000	0.8	0.4
300.0	12.293	35.153	26.652	0.8218	0.000	0.9	1.2
400.0	9.505	34.835	26.906	0.9613	0.000	0.9	2.1



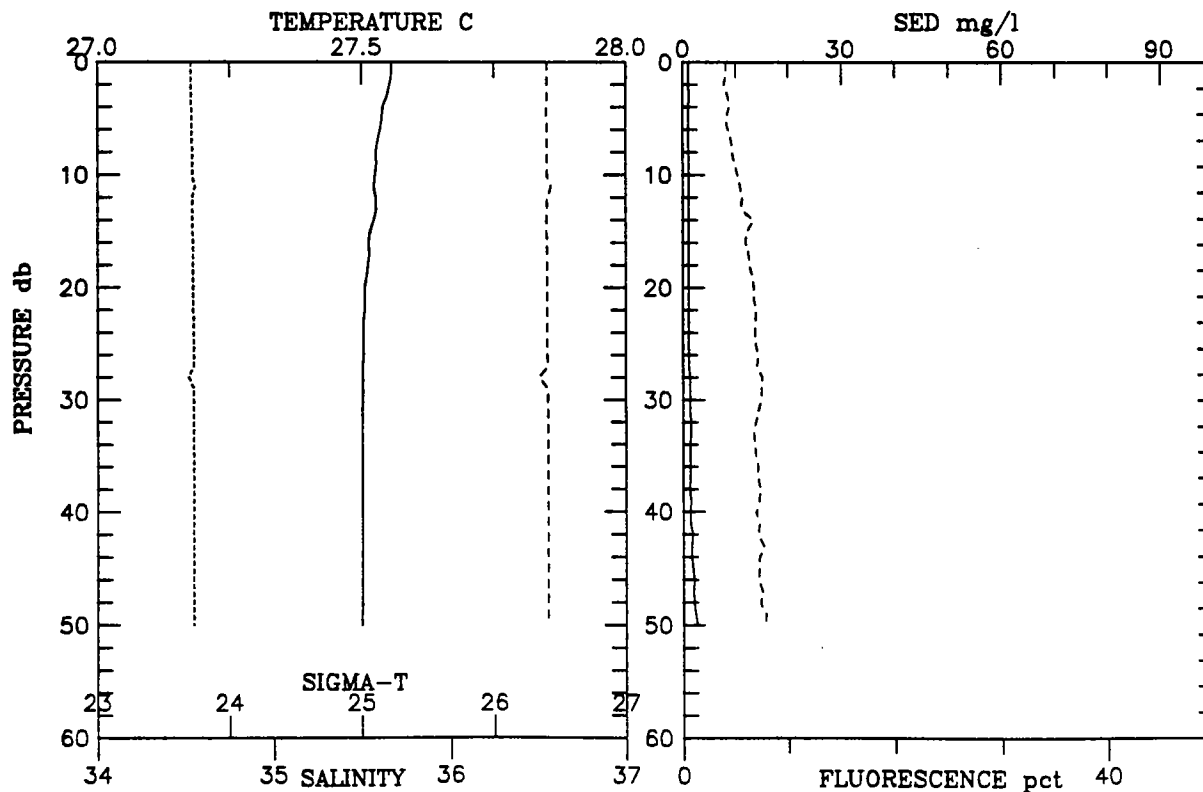
Cruise I9113 Leg 3 Station # 5 Depth m:52 Time: 1991-11-06 11:34  
 Position: 1° 13.50'N 47° 36.40'W Depth Deck Offset: 1.65 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.406	36.437	23.671	0.0000	0.000	4.6	0.9
5.0		27.413	36.431	23.665	0.0212	0.000	4.5	0.4
10.0		27.420	36.428	23.660	0.0425	0.000	5.1	0.4
15.0		27.411	36.431	23.665	0.0638	0.000	5.9	0.5
20.0		27.407	36.431	23.667	0.0850	0.000	6.6	0.4
25.0		27.401	36.437	23.673	0.1063	0.000	6.2	0.4
30.0		27.400	36.431	23.669	0.1276	0.000	6.4	0.4
35.0		27.398	36.430	23.669	0.1489	0.000	6.0	0.4
40.0		27.398	36.430	23.669	0.1702	0.000	6.3	0.4
45.0		27.399	36.430	23.668	0.1916	0.000	6.3	0.4
50.0		27.396	36.476	23.704	0.2129	0.000	6.2	0.4
53.0		27.397	36.429	23.668	0.2257	0.000	6.8	0.4



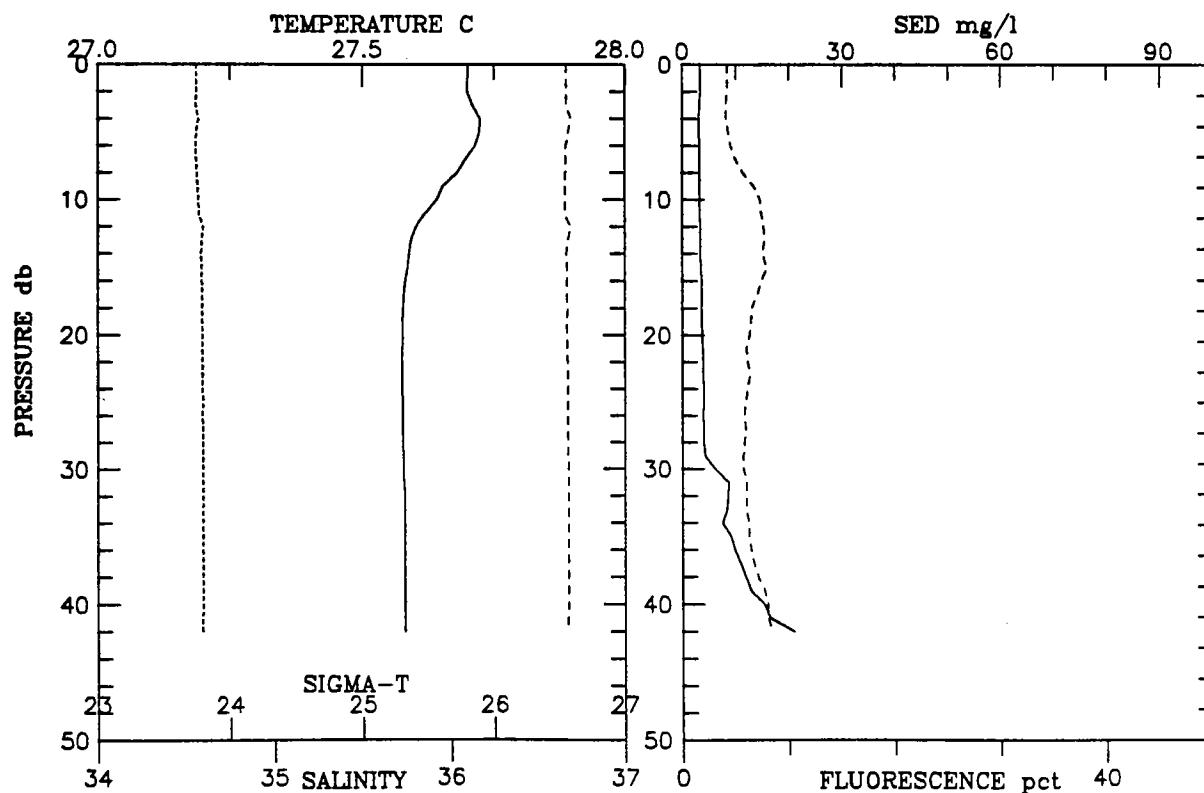
Cruise I9113 Leg 3 Station # 6 Depth m:50 Time: 1991-11-06 12:57  
 Position: 1° 11.50'N 47° 48.57'W Depth Deck Offset: 1.60 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.557	36.549	23.708	0.0000	0.000	4.1	1.0
5.0		27.538	36.549	23.714	0.0210	0.000	4.1	1.0
10.0		27.525	36.550	23.719	0.0421	0.000	5.2	1.0
15.0		27.516	36.548	23.720	0.0631	0.000	6.0	1.0
20.0		27.506	36.550	23.725	0.0841	0.000	6.7	1.0
25.0		27.503	36.552	23.727	0.1051	0.000	6.9	1.0
30.0		27.502	36.554	23.729	0.1262	0.000	7.4	1.3
35.0		27.502	36.555	23.730	0.1472	0.000	6.9	1.3
40.0		27.501	36.555	23.730	0.1682	0.000	6.9	1.3
45.0		27.501	36.554	23.729	0.1893	0.000	7.2	1.7
50.0		27.500	36.552	23.728	0.2103	0.000	7.8	2.6



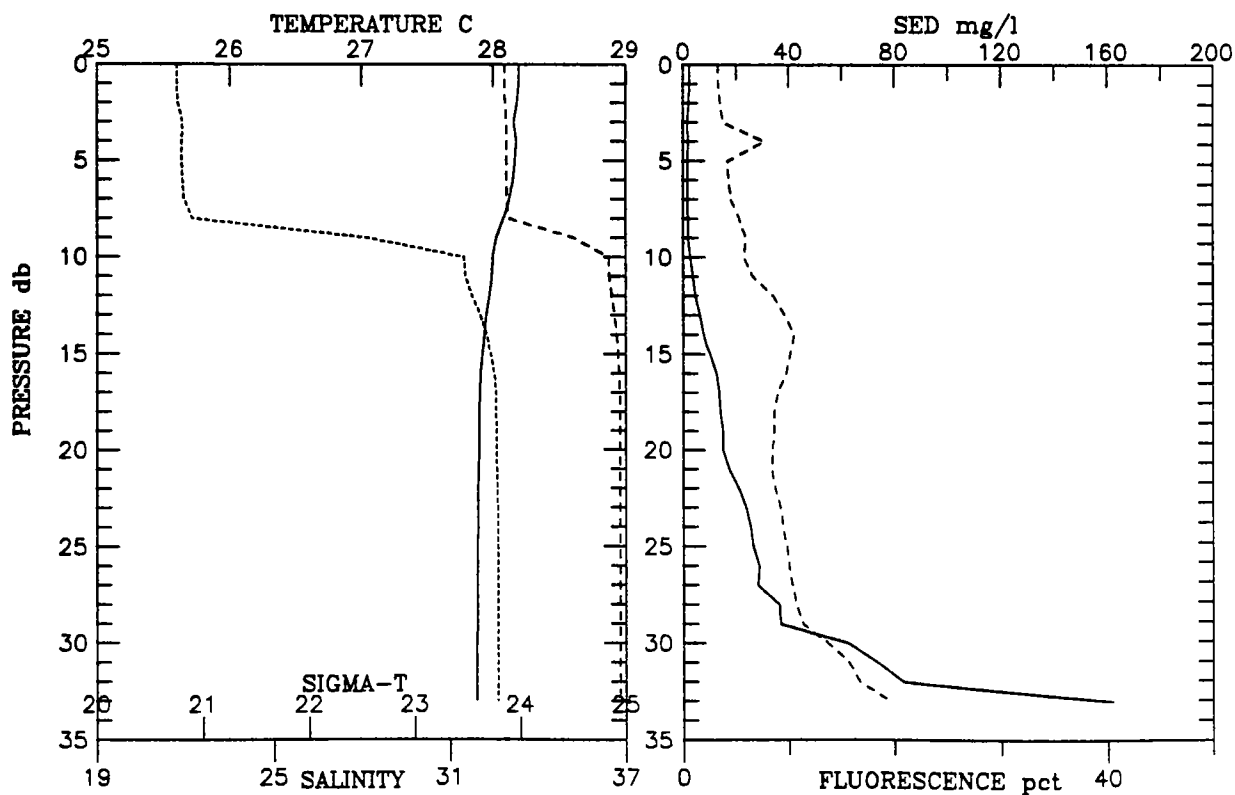
Cruise I9113 Leg 3 Station # 7 Depth m:43 Time: 1991-11-06 14:13  
 Position: 1° 10.92'N 48° 0.04'W Depth Deck Offset: 1.62 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.699	36.663	23.747	0.0000	0.000	4.2	3.3
2.0		27.699	36.662	23.746	0.0083	0.000	4.2	3.3
4.0		27.723	36.692	23.761	0.0167	0.000	4.1	3.1
6.0		27.713	36.661	23.741	0.0250	0.000	4.5	3.2
8.0		27.679	36.658	23.750	0.0334	0.000	5.7	3.2
10.0		27.640	36.658	23.763	0.0417	0.000	7.3	3.2
12.0		27.601	36.686	23.796	0.0500	0.000	7.6	3.3
14.0		27.587	36.664	23.784	0.0583	0.000	7.5	3.3
16.0		27.580	36.667	23.789	0.0666	0.000	7.4	3.6
18.0		27.576	36.669	23.792	0.0749	0.000	6.5	3.6
20.0		27.574	36.668	23.791	0.0831	0.000	6.3	3.7
22.0		27.574	36.669	23.792	0.0914	0.000	6.1	3.8
24.0		27.574	36.670	23.793	0.0997	0.000	6.1	3.9
26.0		27.575	36.670	23.793	0.1080	0.000	5.8	3.8
28.0		27.575	36.672	23.794	0.1163	0.000	5.8	4.0
30.0		27.577	36.674	23.795	0.1245	0.000	5.7	6.1
32.0		27.578	36.674	23.795	0.1328	0.000	6.0	8.4
34.0		27.578	36.674	23.795	0.1411	0.000	6.2	7.5
36.0		27.578	36.674	23.795	0.1494	0.000	6.4	9.8
38.0		27.578	36.674	23.795	0.1577	0.000	7.1	11.8
40.0		27.578	36.673	23.794	0.1660	0.000	8.0	15.3
42.0		27.578	36.672	23.793	0.1743	0.000	8.4	20.9



Cruise I9113 Leg 3 Station # 8 Depth m:32 Time: 1991-11-06 15:59  
 Position: 1° 10.42'N 48° 12.06'W Depth Deck Offset: 1.62 Fish 1

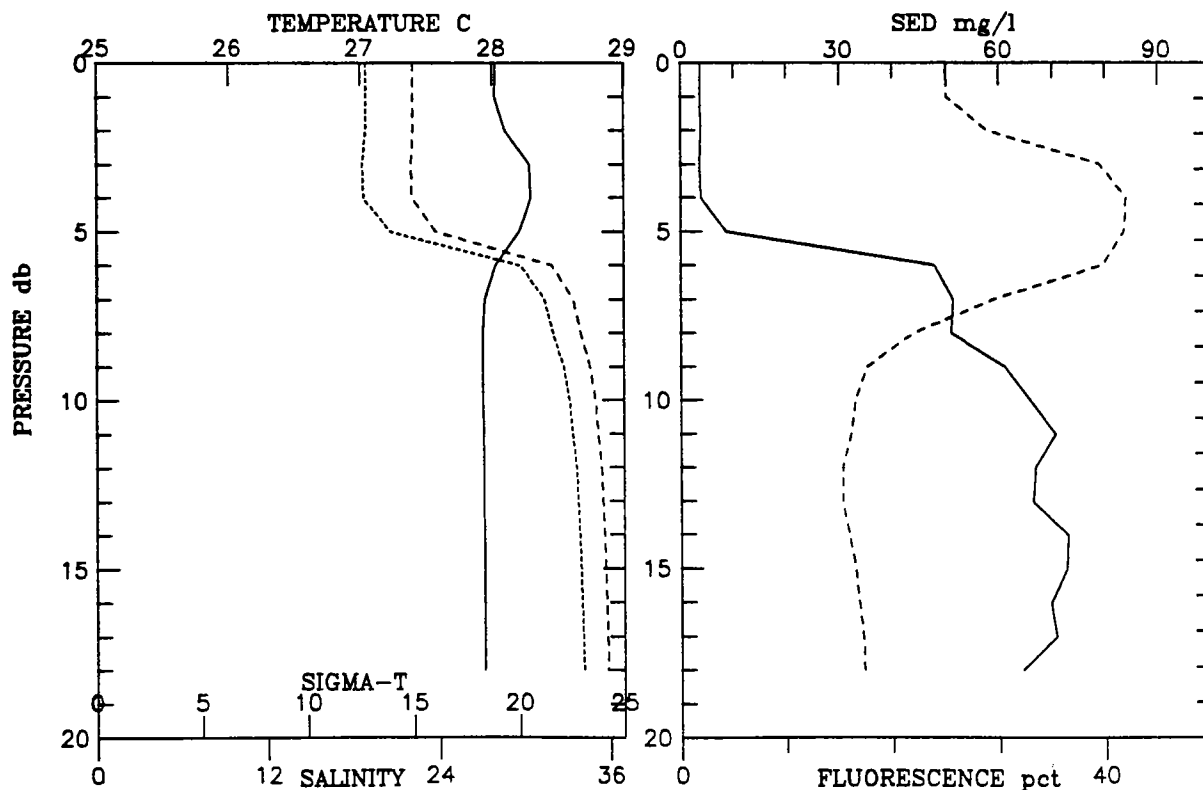
PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.194	32.893	20.751	0.0000	0.000	3.3	2.3
2.0		28.180	32.903	20.762	0.0141	0.000	3.5	2.1
4.0		28.172	32.945	20.797	0.0281	0.000	7.7	1.9
6.0		28.147	32.943	20.803	0.0421	0.000	4.3	1.6
8.0		28.075	33.039	20.899	0.0560	0.000	5.3	1.8
10.0		27.995	36.424	23.470	0.0670	0.000	5.7	2.5
12.0		27.968	36.517	23.549	0.0758	0.000	8.5	4.4
14.0		27.930	36.681	23.685	0.0844	0.000	10.5	7.6
16.0		27.903	36.767	23.759	0.0928	0.000	9.7	12.4
18.0		27.892	36.785	23.775	0.1011	0.000	8.6	14.0
20.0		27.890	36.788	23.779	0.1094	0.000	8.4	15.0
22.0		27.884	36.795	23.786	0.1177	0.000	8.7	21.0
24.0		27.880	36.798	23.789	0.1260	0.000	9.4	25.4
26.0		27.878	36.799	23.791	0.1343	0.000	10.0	28.4
28.0		27.876	36.799	23.791	0.1426	0.000	10.7	36.3
30.0		27.873	36.798	23.792	0.1509	0.000	13.7	62.4
32.0		27.872	36.797	23.791	0.1592	0.000	16.7	83.4
33.0		27.873	34.409	21.994	0.1642	0.000	19.6	161.9





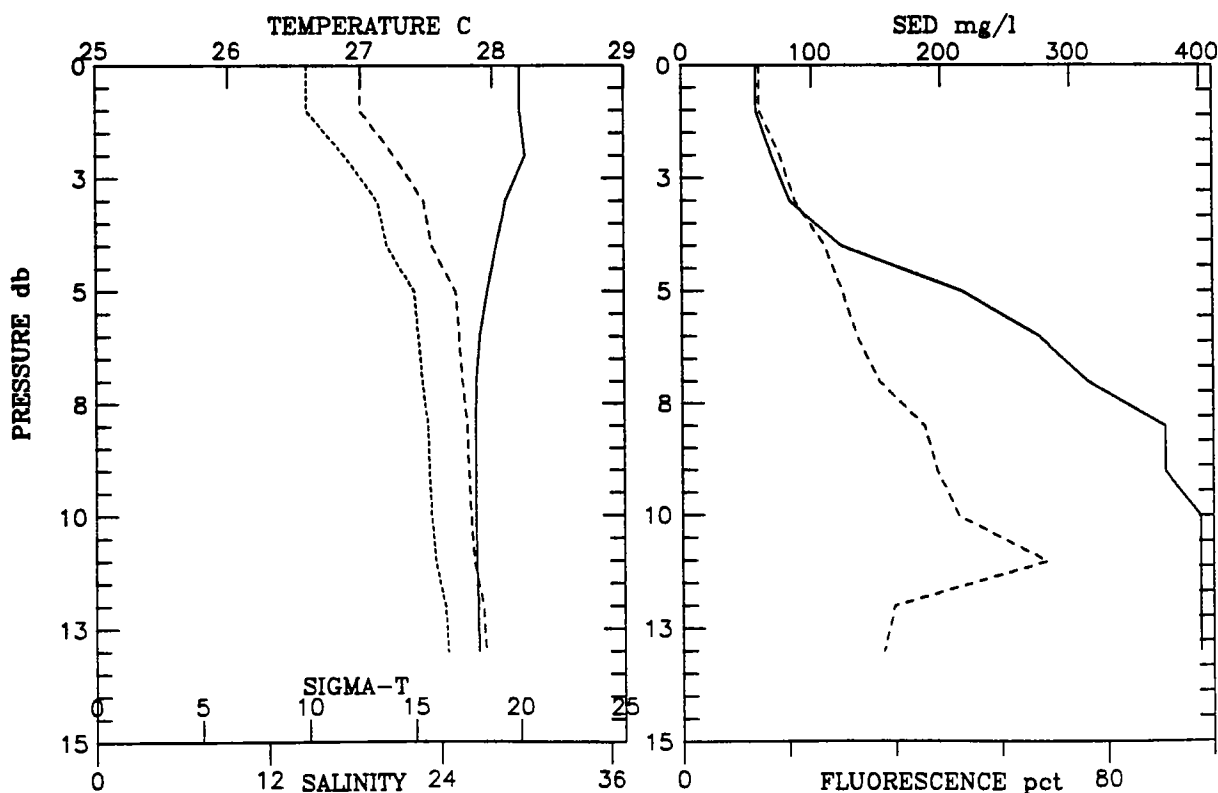
Cruise I9113 Leg 3 Station # 9 Depth m:23 Time: 1991-11-06 18:37  
 Position: 1° 1.54'N 48° 17.39'W Depth Deck Offset: 1.77 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.021	22.183	12.785	0.0000	0.000	25.1
1.0		28.020	22.183	12.785	0.0147	0.000	25.1
2.0		28.096	22.167	12.749	0.0295	0.000	28.9
3.0		28.281	22.041	12.597	0.0444	0.000	39.5
4.0		28.287	22.100	12.640	0.0593	0.000	42.0
5.0		28.201	23.769	13.914	0.0735	0.000	41.8
6.0		28.022	31.897	20.059	0.0842	0.000	39.8
7.0		27.941	33.398	21.212	0.0914	0.000	29.5
8.0		27.927	33.916	21.606	0.0978	0.000	22.0
9.0		27.925	34.570	22.098	0.1038	0.000	17.6
10.0		27.928	34.947	22.381	0.1094	0.000	16.5
11.0		27.930	35.137	22.523	0.1148	0.000	16.1
12.0		27.932	35.375	22.701	0.1201	0.000	15.3
13.0		27.933	35.467	22.770	0.1252	0.000	15.3
14.0		27.934	35.587	22.860	0.1303	0.000	15.9
15.0		27.934	35.649	22.907	0.1353	0.000	16.5
16.0		27.935	35.716	22.957	0.1402	0.000	16.8
17.0		27.936	35.774	23.000	0.1451	0.000	17.2
18.0		27.937	35.824	23.038	0.1500	0.000	17.3



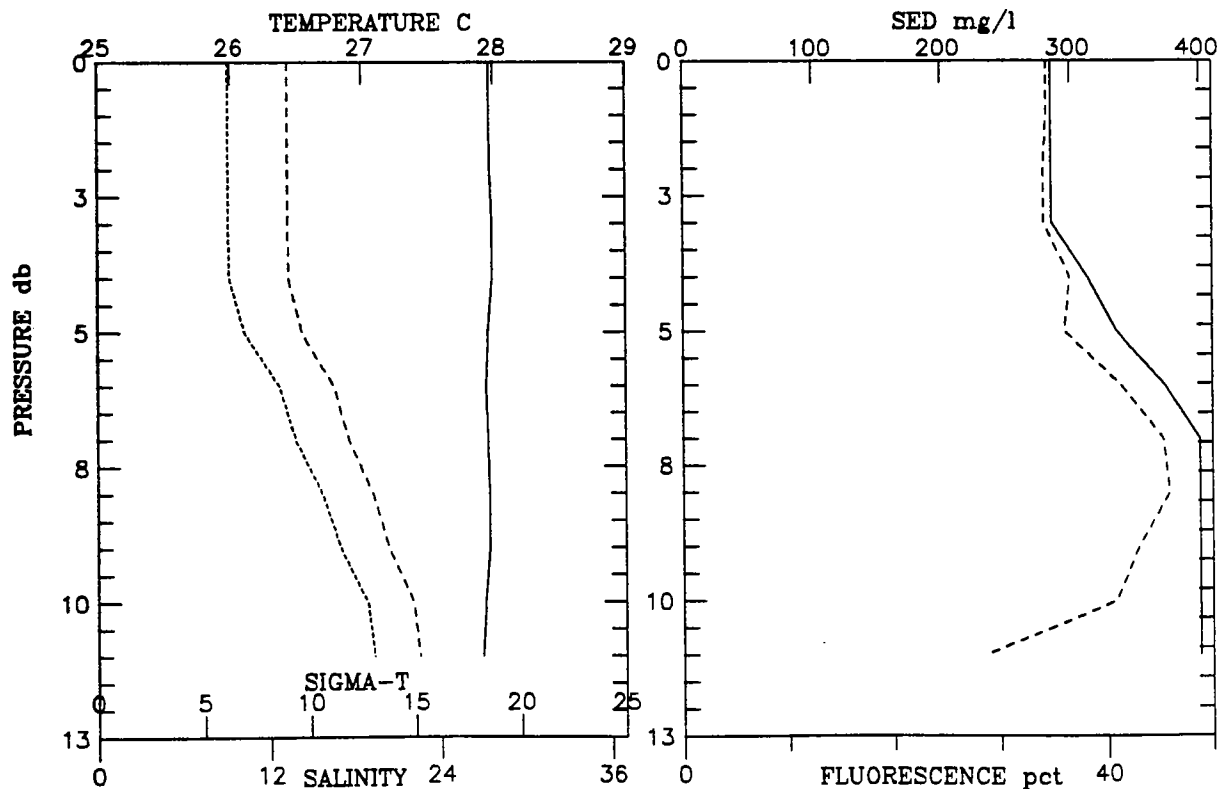
Cruise I9113 Leg 3 Station # 10 Depth m:15 Time: 1991-11-06 20:15  
 Position: 0° 53.34'N 48° 25.56'W Depth Deck Offset: 1.62 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.206	18.455	9.944	0.0000	0.000	14.6	57.2
1.0		28.206	18.455	9.944	0.0175	0.000	14.6	57.2
2.0		28.244	20.868	11.733	0.0342	0.000	18.5	69.5
3.0		28.097	22.873	13.276	0.0492	0.000	21.3	83.4
4.0		28.023	23.445	13.727	0.0632	0.000	26.9	122.8
5.0		27.957	25.117	14.998	0.0764	0.000	30.2	216.2
6.0		27.896	25.352	15.193	0.0889	0.000	33.0	275.7
7.0		27.868	25.569	15.364	0.1013	0.000	37.1	313.2
8.0		27.861	25.910	15.622	0.1134	0.000	45.6	372.7
9.0		27.862	25.981	15.675	0.1253	0.000	48.0	372.7
10.0		27.863	26.132	15.787	0.1372	0.000	52.0	400.0
11.0		27.869	26.390	15.979	0.1490	0.000	68.6	400.0
12.0		27.877	27.001	16.434	0.1604	0.000	39.8	400.0
13.0		27.881	27.153	16.546	0.1715	0.000	37.8	400.0



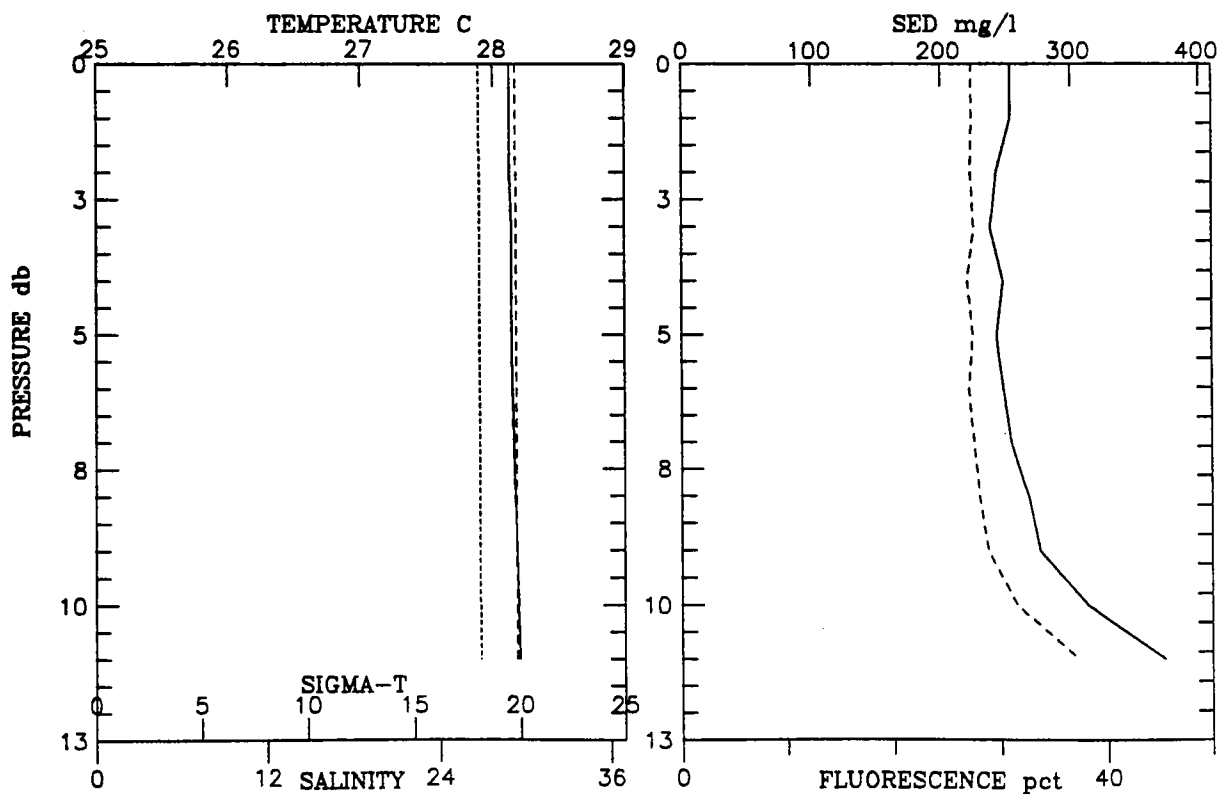
Cruise I9113 Leg 3 Station # 11 Depth m:14 Time: 1991-11-06 21:43  
 Position: 0° 43.89'N 48° 32.40'W Depth Deck Offset: 1.45 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.970	13.262	6.145	0.0000	0.000	34.4	285.5
1.0		27.970	13.262	6.145	0.0213	0.000	34.4	285.5
2.0		27.975	13.267	6.147	0.0425	0.000	34.1	285.5
3.0		27.990	13.288	6.158	0.0638	0.000	34.1	285.5
4.0		27.987	13.352	6.206	0.0850	0.000	36.5	313.2
5.0		27.956	14.299	6.922	0.1058	0.000	36.0	335.2
6.0		27.939	16.505	8.572	0.1255	0.000	41.3	372.7
7.0		27.955	17.543	9.341	0.1440	0.000	45.3	400.0
8.0		27.962	19.244	10.608	0.1615	0.000	45.9	400.0
9.0		27.963	20.377	11.454	0.1780	0.000	42.9	400.0
10.0		27.930	22.066	12.726	0.1934	0.000	40.8	400.0
11.0		27.913	22.484	13.043	0.2081	0.000	28.5	400.0



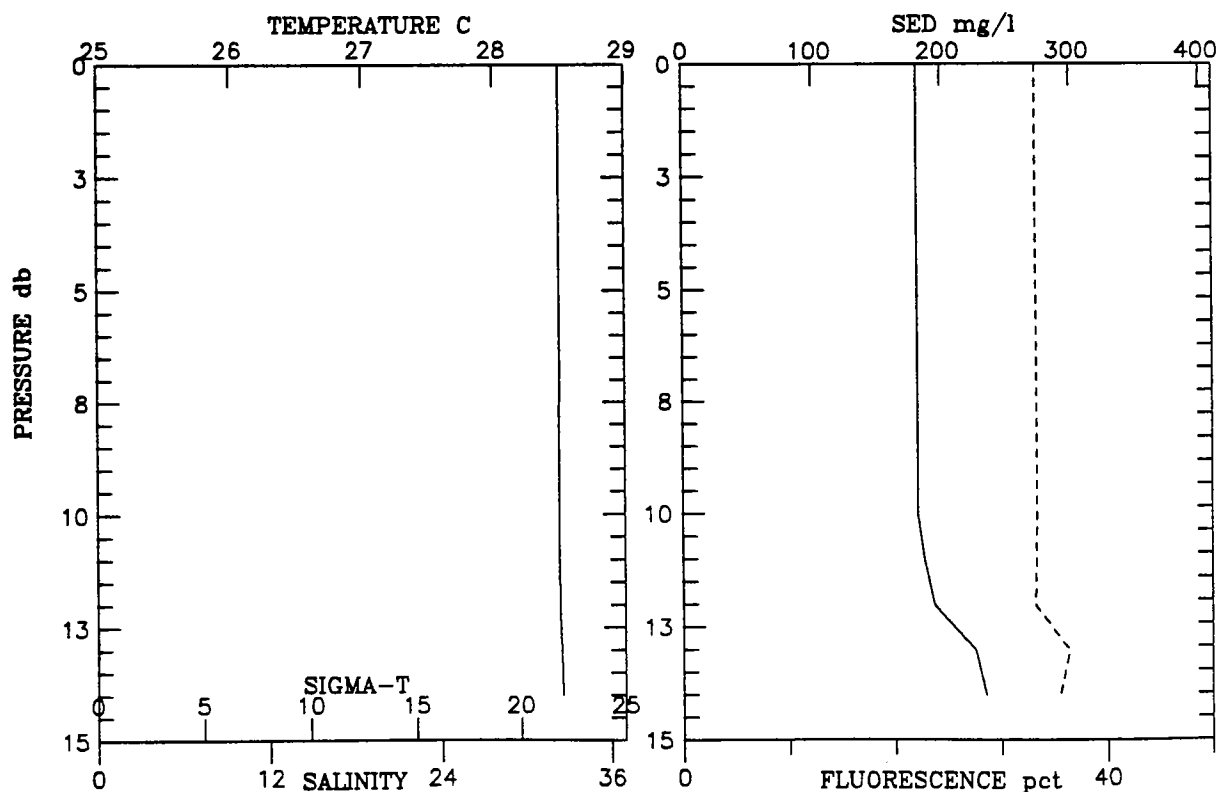
Cruise I9113 Leg 3 Station # 12 Depth m:13 Time: 1991-11-07 01:42  
 Position: 1° 11.26'N 48° 47.90'W Depth Deck Offset: 1.50 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.126	29.293	18.071	0.0000	0.000	27.3	253.7
1.0		28.126	29.292	18.071	0.0096	0.000	27.3	253.7
2.0		28.126	29.326	18.096	0.0192	0.000	27.2	242.8
3.0		28.139	29.333	18.097	0.0288	0.000	27.5	238.1
4.0		28.139	29.333	18.097	0.0384	0.000	26.9	248.0
5.0		28.141	29.333	18.097	0.0480	0.000	27.4	242.8
6.0		28.144	29.336	18.098	0.0576	0.000	27.0	248.0
7.0		28.152	29.345	18.102	0.0672	0.000	27.5	253.7
8.0		28.162	29.358	18.109	0.0768	0.000	28.0	267.3
9.0		28.176	29.373	18.115	0.0864	0.000	28.8	275.7
10.0		28.188	29.388	18.123	0.0959	0.000	31.5	313.2
11.0		28.198	29.397	18.126	0.1055	0.000	37.3	372.7



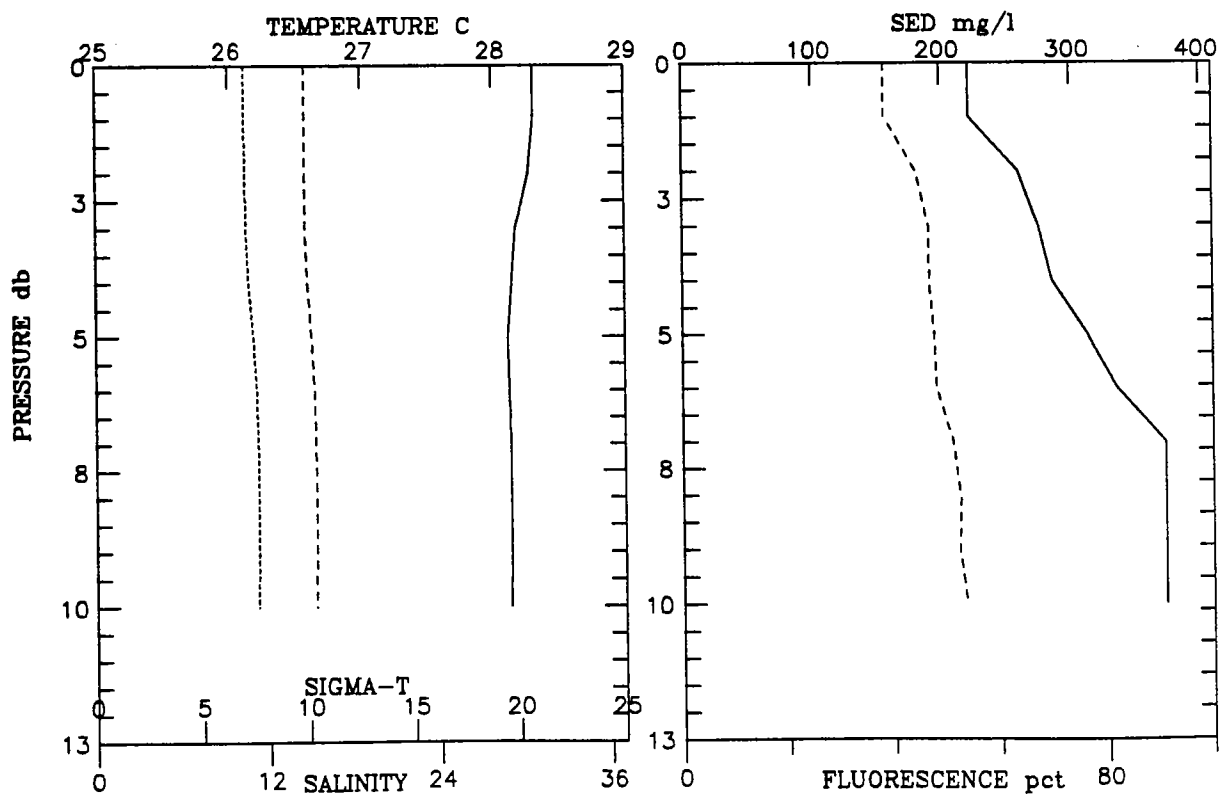
Cruise I9113 Leg 3 Station # 13 Depth m:16 Time: 1991-11-07 09:40  
 Position: 1° 4.83'N 49° 37.33'W Depth Deck Offset: 1.50 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.502	0.030	-3.884	0.0000	0.000	33.4	181.7
1.0	E	28.502	0.030	-3.884	0.0313	0.000	33.4	181.7
2.0		28.502	0.030	-3.884	0.0625	0.000	33.4	181.7
3.0		28.501	0.030	-3.884	0.0938	0.000	33.4	181.7
4.0		28.501	0.030	-3.884	0.1251	0.000	33.4	181.7
5.0		28.501	0.030	-3.884	0.1563	0.000	33.4	181.7
6.0		28.501	0.030	-3.883	0.1876	0.000	33.4	181.7
7.0		28.500	0.030	-3.883	0.2189	0.000	33.4	181.7
8.0		28.500	0.030	-3.883	0.2501	0.000	33.4	181.7
9.0		28.500	0.030	-3.883	0.2814	0.000	33.4	181.7
10.0		28.500	0.030	-3.883	0.3127	0.000	33.4	181.7
11.0		28.500	0.030	-3.883	0.3439	0.000	33.3	186.7
12.0		28.502	0.030	-3.884	0.3752	0.000	33.2	194.2
13.0		28.511	0.035	-3.883	0.4065	0.000	36.4	226.0
14.0		28.520	0.030	-3.889	0.4377	0.000	35.5	233.8



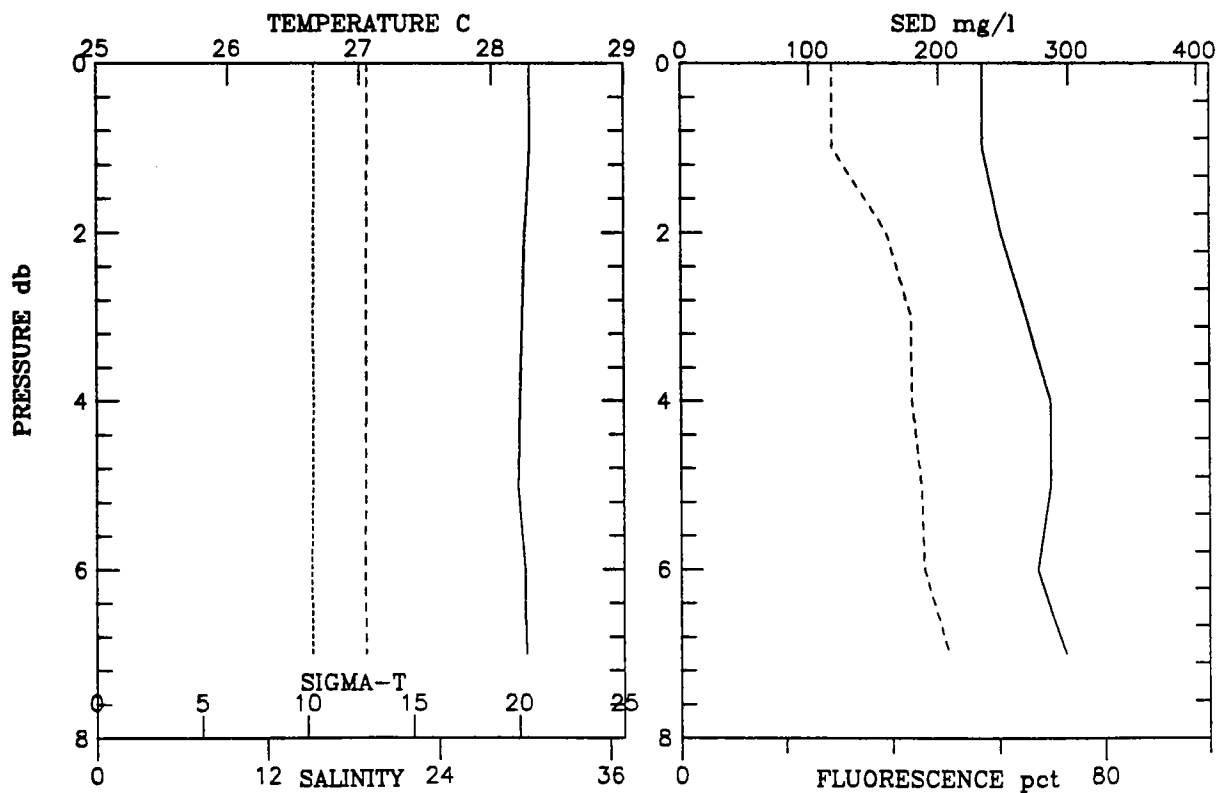
Cruise I9113 Leg 3 Station # 14 Depth m:13 Time: 1991-11-07 14:40  
 Position: 1° 28.40'N 49° 21.70'W Depth Deck Offset: 1.77 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.312	14.566	7.013	0.0000	0.000	38.3	222.5
1.0		28.312	14.566	7.013	0.0204	0.000	38.3	222.5
2.0		28.275	14.582	7.036	0.0408	0.000	44.3	260.1
3.0		28.176	14.581	7.065	0.0612	0.000	46.6	275.7
4.0		28.143	14.720	7.179	0.0815	0.000	46.7	285.5
5.0		28.116	14.997	7.393	0.1016	0.000	47.6	313.2
6.0		28.123	15.201	7.543	0.1215	0.000	48.0	335.2
7.0		28.136	15.275	7.595	0.1414	0.000	51.1	372.7
8.0		28.135	15.287	7.604	0.1612	0.000	52.4	372.7
9.0		28.133	15.290	7.607	0.1811	0.000	52.2	372.7
10.0		28.128	15.257	7.584	0.2009	0.000	53.6	372.7



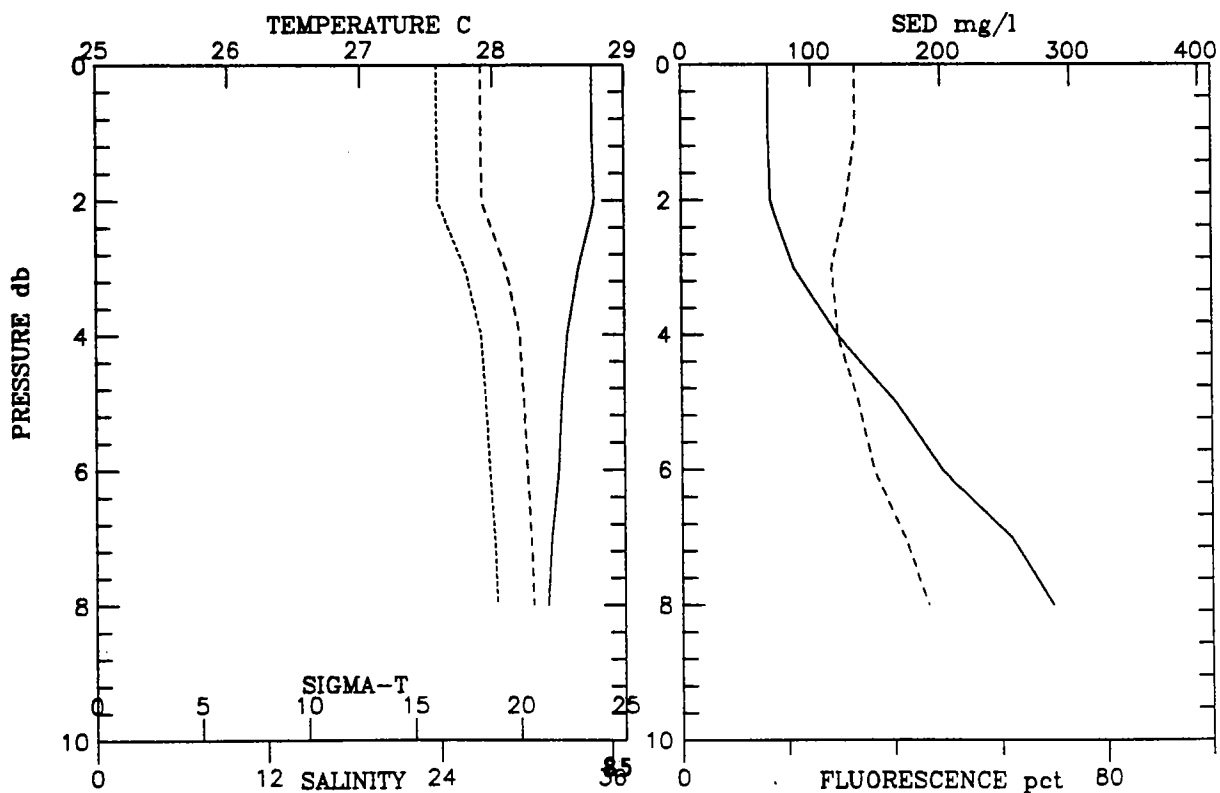
Cruise I9113 Leg 3 Station # 15 Depth m:10 Time: 1991-11-07 16:46  
 Position: 1° 39.28'N 49° 11.78'W Depth Deck Offset: 1.52 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.286	19.015	10.337	0.0000	0.000	28.8	233.8
1.0		28.286	19.014	10.336	0.0171	0.000	28.8	233.8
2.0		28.245	18.972	10.318	0.0343	0.000	39.0	248.0
3.0		28.225	18.929	10.292	0.0515	0.000	43.6	267.3
4.0		28.207	18.934	10.301	0.0686	0.000	43.7	285.5
5.0		28.194	18.898	10.278	0.0858	0.000	45.5	285.5
6.0		28.244	18.832	10.214	0.1030	0.000	46.0	275.7
7.0		28.253	18.902	10.263	0.1203	0.000	50.6	297.6



Cruise I9113 Leg 3 Station # 16 Depth m:12 Time: 1991-11-07 19:04  
 Position: 1° 49.00'N 49° 3.72'W Depth Deck Offset: 1.65 Fish 1

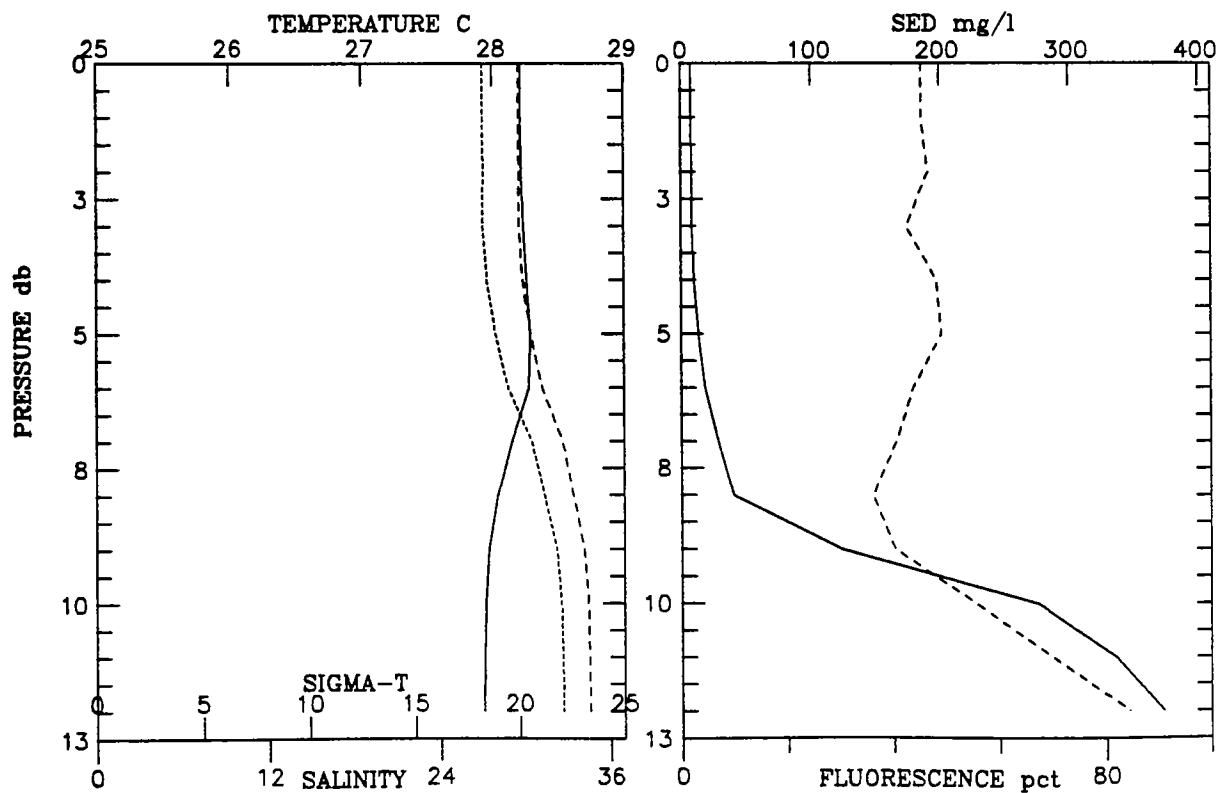
PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.756	26.936	16.104	0.0000	0.000	32.8	67.5
1.0		28.756	26.936	16.104	0.0115	0.000	32.8	67.5
2.0		28.768	26.974	16.128	0.0230	0.000	31.1	68.7
3.0		28.649	28.639	17.413	0.0339	0.000	28.3	86.6
4.0		28.560	29.617	18.174	0.0438	0.000	29.5	120.7
5.0		28.518	29.882	18.386	0.0532	0.000	33.3	165.3
6.0		28.493	30.109	18.565	0.0624	0.000	36.2	200.6
7.0		28.441	30.382	18.786	0.0715	0.000	41.9	253.7
8.0		28.409	30.516	18.897	0.0803	0.000	46.3	285.5





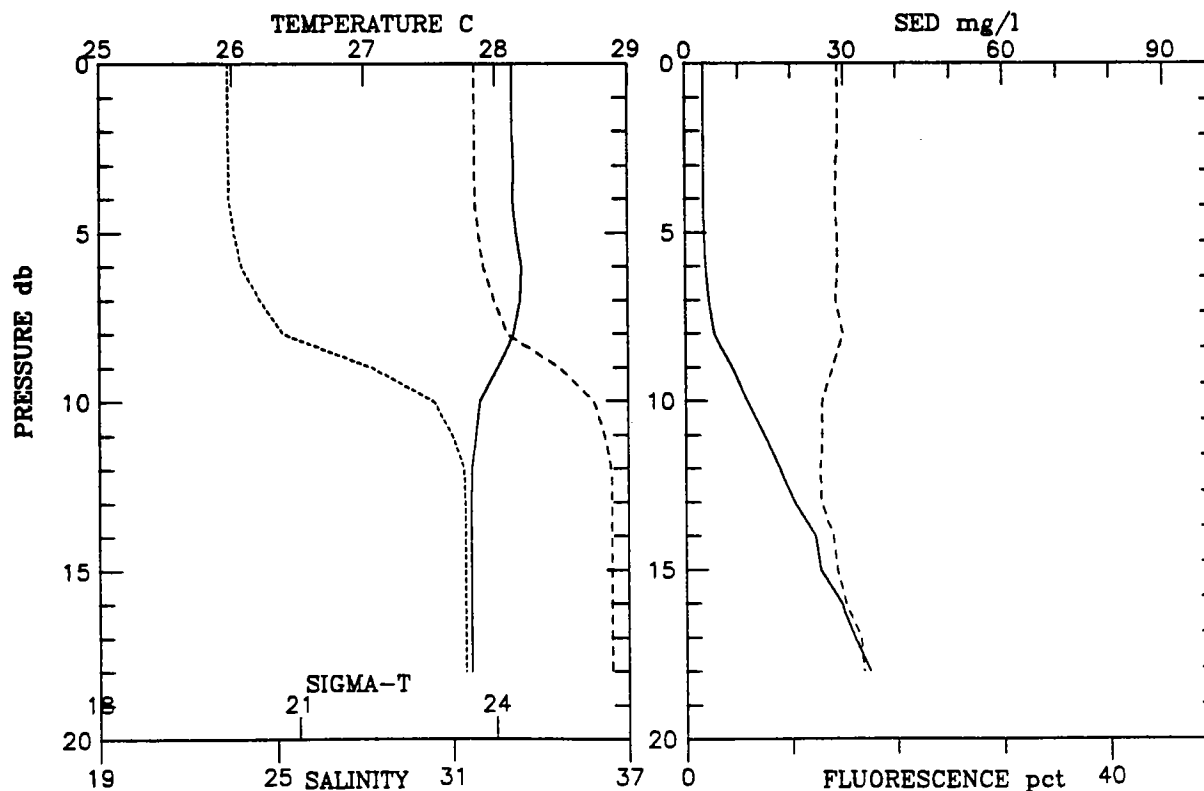
Cruise I9113 Leg 3 Station # 17 Depth m:16 Time: 1991-11-07 20:18  
 Position: 1° 55.16'N 48° 57.89'W Depth Deck Offset: 1.55 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.216	29.613	18.282	0.0000	0.000	45.4	7.9
1.0		28.215	29.613	18.283	0.0094	0.000	45.4	7.9
2.0		28.222	29.655	18.312	0.0188	0.000	46.6	8.0
3.0		28.236	29.624	18.284	0.0282	0.000	42.5	8.0
4.0		28.260	29.897	18.481	0.0375	0.000	48.2	9.6
5.0		28.285	30.440	18.880	0.0466	0.000	49.1	13.1
6.0		28.277	31.235	19.479	0.0551	0.000	43.7	18.4
7.0		28.145	32.659	20.590	0.0628	0.000	40.5	28.1
8.0		28.033	33.405	21.187	0.0698	0.000	36.1	40.1
9.0		27.965	34.162	21.778	0.0761	0.000	40.2	123.3
10.0		27.940	34.437	21.993	0.0820	0.000	55.6	275.7
11.0		27.932	34.509	22.050	0.0879	0.000	69.9	335.2
12.0		27.928	34.556	22.086	0.0937	0.000	84.4	372.7



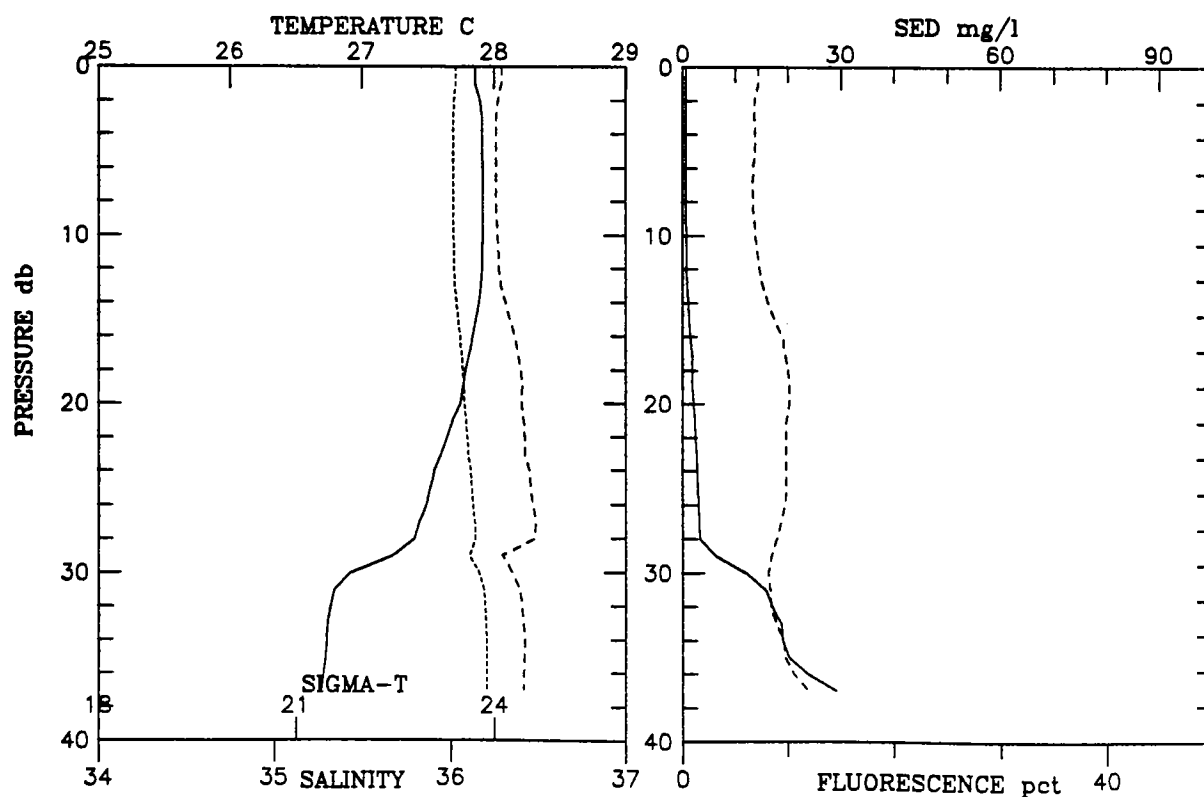
Cruise I9113 Leg 3 Station # 18 Depth m:21 Time: 1991-11-08 00:12  
 Position: 2° 4.31'N 48° 52.56'W Depth Deck Offset: 1.30 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.129	31.791	19.944	0.0000	0.000	14.5	3.5
1.0	E	28.128	31.790	19.943	0.0078	0.000	14.5	3.5
2.0		28.128	31.790	19.943	0.0156	0.000	14.5	3.5
3.0		28.137	31.804	19.951	0.0234	0.000	14.3	3.5
4.0		28.134	31.808	19.955	0.0312	0.000	14.2	3.5
5.0		28.157	31.922	20.033	0.0390	0.000	14.4	3.6
6.0		28.198	32.087	20.144	0.0467	0.000	14.4	3.8
7.0		28.185	32.452	20.422	0.0542	0.000	14.2	4.4
8.0		28.135	32.895	20.771	0.0614	0.000	14.9	5.4
9.0		28.014	34.650	22.129	0.0677	0.000	13.9	8.8
10.0		27.877	35.824	23.057	0.0730	0.000	12.9	11.6
11.0		27.847	36.179	23.334	0.0777	0.000	12.9	14.8
12.0		27.816	36.406	23.515	0.0822	0.000	12.7	17.8
13.0		27.811	36.420	23.527	0.0866	0.000	12.8	20.5
14.0		27.810	36.424	23.530	0.0910	0.000	13.9	24.4
15.0		27.809	36.425	23.531	0.0954	0.000	14.3	25.4
16.0		27.809	36.425	23.531	0.0998	0.000	15.1	29.4
17.0		27.809	36.425	23.531	0.1041	0.000	16.5	31.8
18.0		27.809	36.425	23.531	0.1085	0.000	16.8	34.7



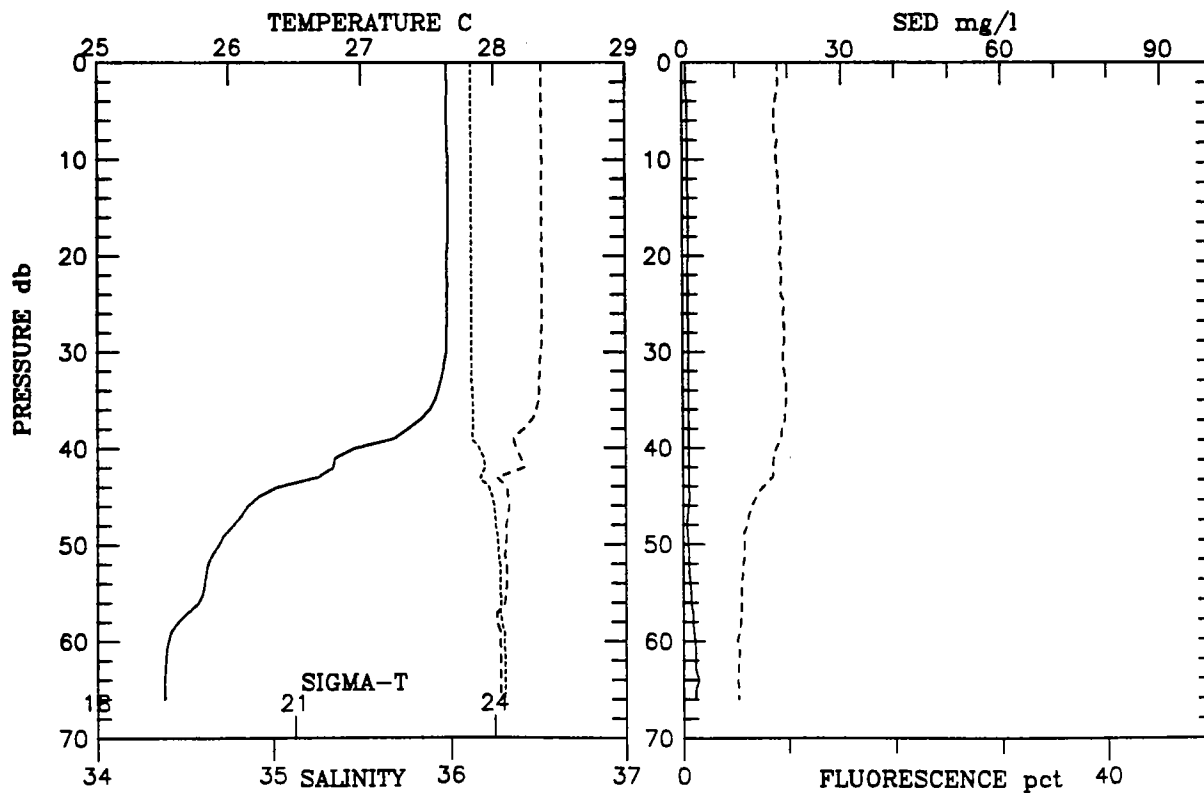
Cruise I9113 Leg 3 Station # 19 Depth m:40 Time: 1991-11-08 03:00  
 Position: 2° 14.96'N 48° 40.50'W Depth Deck Offset: 1.33 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.855	36.292	23.416	0.0000	0.000	7.2	0.5
2.0	27.891	36.270	23.388	0.0090	0.000	6.8	0.5
4.0	27.908	36.258	23.373	0.0180	0.000	6.9	0.5
6.0	27.910	36.260	23.374	0.0271	0.000	6.7	0.5
8.0	27.914	36.260	23.373	0.0362	0.000	6.7	0.5
10.0	27.911	36.268	23.380	0.0452	0.000	6.9	0.6
12.0	27.906	36.276	23.388	0.0543	0.000	7.3	0.7
14.0	27.883	36.313	23.423	0.0633	0.000	8.1	1.1
16.0	27.836	36.366	23.478	0.0722	0.000	9.5	1.4
18.0	27.779	36.399	23.521	0.0810	0.000	10.0	1.8
20.0	27.740	36.406	23.540	0.0898	0.000	10.1	2.0
22.0	27.636	36.423	23.586	0.0985	0.000	9.8	2.4
24.0	27.544	36.450	23.637	0.1072	0.000	9.8	2.7
26.0	27.482	36.471	23.672	0.1157	0.000	9.7	3.0
28.0	27.394	36.481	23.709	0.1242	0.000	8.9	3.2
30.0	26.911	36.354	23.769	0.1327	0.000	8.1	12.2
32.0	26.761	36.409	23.858	0.1409	0.000	8.4	17.0
34.0	26.732	36.422	23.877	0.1490	0.000	9.6	19.0
36.0	26.711	36.418	23.881	0.1572	0.000	10.6	23.9
37.0	26.697	36.415	23.883	0.1612	0.000	12.0	29.2



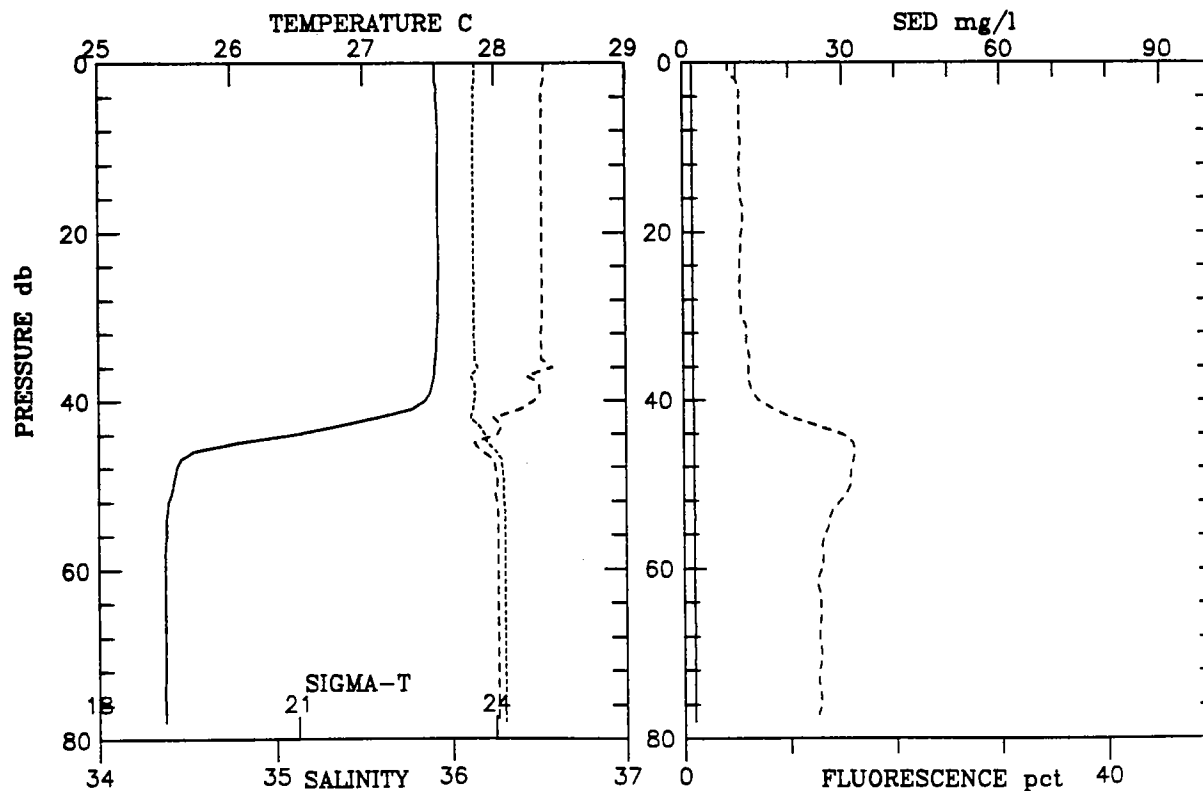
Cruise I9113 Leg 3 Station # 20 Depth m:70 Time: 1991-11-08 05:33  
 Position: 2° 20.67'N 48° 33.35'W Depth Deck Offset: 1.45 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.646	36.521	23.657	0.0000	0.000	9.1	0.7
5.0		27.646	36.523	23.658	0.0213	0.000	8.7	0.9
10.0		27.651	36.524	23.657	0.0426	0.000	8.9	0.9
15.0		27.654	36.523	23.656	0.0639	0.000	9.2	1.0
20.0		27.643	36.522	23.659	0.0852	0.000	9.2	1.0
25.0		27.645	36.522	23.658	0.1066	0.000	9.7	0.9
30.0		27.637	36.518	23.657	0.1279	0.000	9.5	1.0
35.0		27.549	36.501	23.673	0.1493	0.000	9.8	1.0
40.0		26.941	36.374	23.774	0.1705	0.000	8.8	1.1
45.0		26.225	36.327	23.966	0.1910	0.000	6.9	1.2
50.0		25.921	36.316	24.053	0.2107	0.000	5.8	0.9
55.0		25.801	36.315	24.090	0.2301	0.000	5.5	1.4
60.0		25.538	36.279	24.144	0.2493	0.000	5.1	2.1
65.0		25.511	36.281	24.154	0.2684	0.000	5.2	2.2
66.0		25.510	36.281	24.155	0.2722	0.000	5.2	2.2



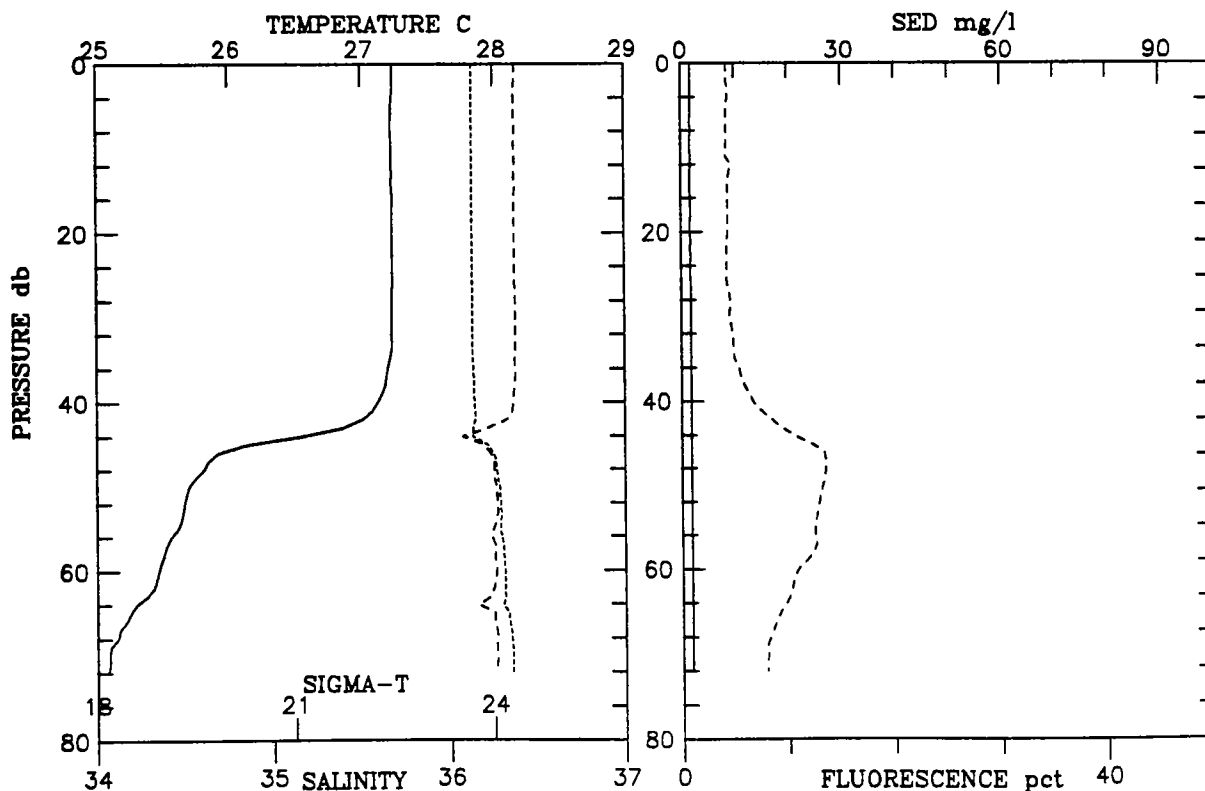
Cruise I9113 Leg 3 Station # 21 Depth m:84 Time: 1991-11-08 07:08  
 Position: 2° 27.10'N 48° 27.59'W Depth Deck Offset: 1.40 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.546	36.537	23.701	0.0000	0.000	4.3
5.0		27.561	36.525	23.688	0.0210	0.000	5.3
10.0		27.570	36.521	23.682	0.0421	0.000	5.4
15.0		27.569	36.521	23.682	0.0633	0.000	5.4
20.0		27.568	36.522	23.683	0.0845	0.000	5.5
25.0		27.570	36.521	23.682	0.1058	0.000	5.4
30.0		27.565	36.520	23.682	0.1270	0.000	5.4
35.0		27.541	36.513	23.685	0.1482	0.000	6.2
40.0		27.461	36.473	23.681	0.1695	0.000	7.1
45.0		26.039	36.131	23.876	0.1905	0.000	15.9
50.0		25.564	36.261	24.123	0.2100	0.000	15.7
55.0		25.510	36.264	24.142	0.2291	0.000	13.6
60.0		25.501	36.265	24.145	0.2482	0.000	12.9
65.0		25.500	36.265	24.145	0.2673	0.000	12.8
70.0		25.500	36.265	24.146	0.2864	0.000	12.9
75.0		25.498	36.265	24.146	0.3056	0.000	12.8
78.0		25.498	36.264	24.145	0.3170	0.000	12.6



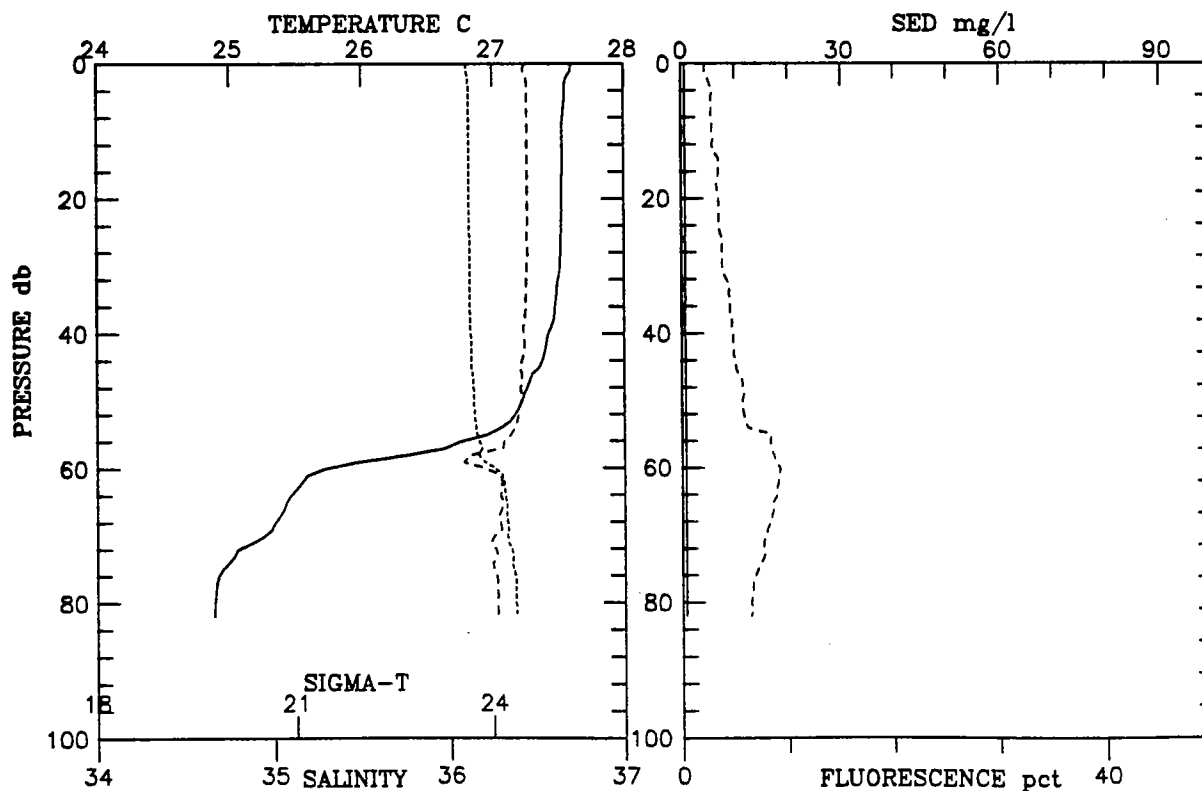
Cruise I9113 Leg 3 Station # 22 Depth m:83 Time: 1991-11-08 08:35  
 Position: 2° 37.21'N 48° 21.18'W Depth Deck Offset: -1.02 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.241	36.372	23.676	0.0000	0.000	4.3	1.7
5.0		27.232	36.369	23.676	0.0212	0.000	4.3	1.7
10.0		27.231	36.371	23.678	0.0424	0.000	4.3	1.6
15.0		27.237	36.372	23.677	0.0636	0.000	4.4	1.6
20.0		27.237	36.369	23.675	0.0849	0.000	4.4	1.6
25.0		27.236	36.370	23.676	0.1061	0.000	4.3	1.6
30.0		27.233	36.372	23.678	0.1274	0.000	4.5	1.7
35.0		27.211	36.367	23.682	0.1486	0.000	5.0	1.7
40.0		27.119	36.359	23.705	0.1698	0.000	6.7	1.7
45.0		26.129	36.194	23.896	0.1909	0.000	12.2	1.7
50.0		25.700	36.261	24.080	0.2106	0.000	13.2	1.7
55.0		25.616	36.245	24.094	0.2299	0.000	12.5	1.8
60.0		25.465	36.260	24.152	0.2491	0.000	10.8	1.7
65.0		25.255	36.248	24.208	0.2682	0.000	9.2	1.7
70.0		25.091	36.265	24.271	0.2868	0.000	8.0	1.7
72.0		25.084	36.261	24.271	0.2942	0.000	7.9	1.7



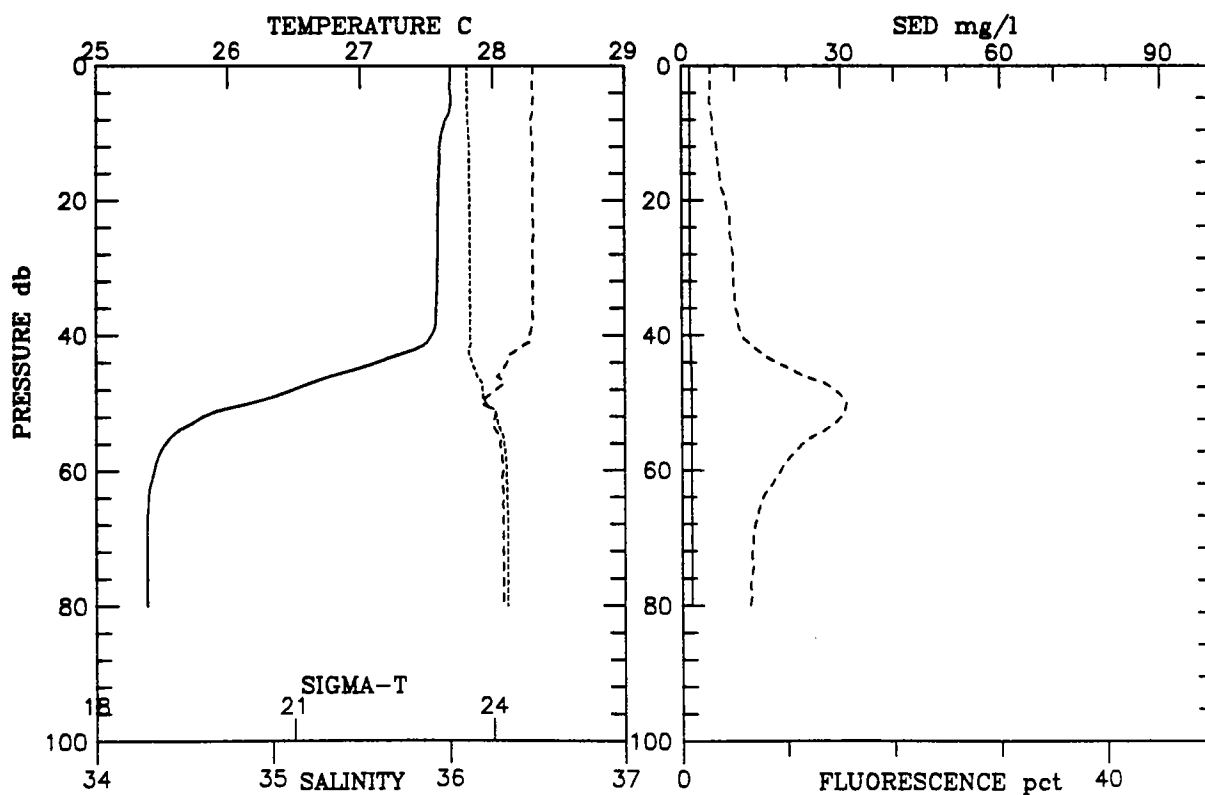
Cruise I9113 Leg 3 Station # 23 Depth m:84 Time: 1991-11-08 11:48  
 Position: 3° 3.70'N 48° 40.30'W Depth Deck Offset: 1.73 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.598	36.429	23.603	0.0000	0.000	2.2	0.6
5.0	27.549	36.450	23.635	0.0215	0.000	2.8	0.6
10.0	27.532	36.449	23.640	0.0429	0.000	2.9	0.5
15.0	27.532	36.450	23.640	0.0642	0.000	3.5	0.6
20.0	27.527	36.449	23.641	0.0857	0.000	3.5	0.6
25.0	27.521	36.447	23.642	0.1071	0.000	3.6	0.6
30.0	27.511	36.446	23.644	0.1285	0.000	3.8	0.6
35.0	27.479	36.437	23.648	0.1499	0.000	4.5	0.6
40.0	27.420	36.427	23.660	0.1713	0.000	4.8	0.5
45.0	27.353	36.403	23.663	0.1927	0.000	5.1	0.6
50.0	27.223	36.411	23.711	0.2139	0.000	5.7	0.6
55.0	26.954	36.350	23.751	0.2350	0.000	8.4	0.6
60.0	25.706	36.205	24.036	0.2556	0.000	9.2	0.6
65.0	25.422	36.303	24.198	0.2746	0.000	8.5	0.6
70.0	25.259	36.253	24.211	0.2935	0.000	7.8	0.6
75.0	24.942	36.251	24.306	0.3120	0.000	7.1	0.6
80.0	24.882	36.271	24.340	0.3302	0.000	6.4	0.7
82.0	24.878	36.272	24.342	0.3375	0.000	6.4	0.7



Cruise I9113 Leg 3 Station # 24 Depth m:81 Time: 1991-11-08 13:30  
 Position: 2° 54.04'N 48° 48.37'W Depth Deck Offset: 1.45 Fish 1

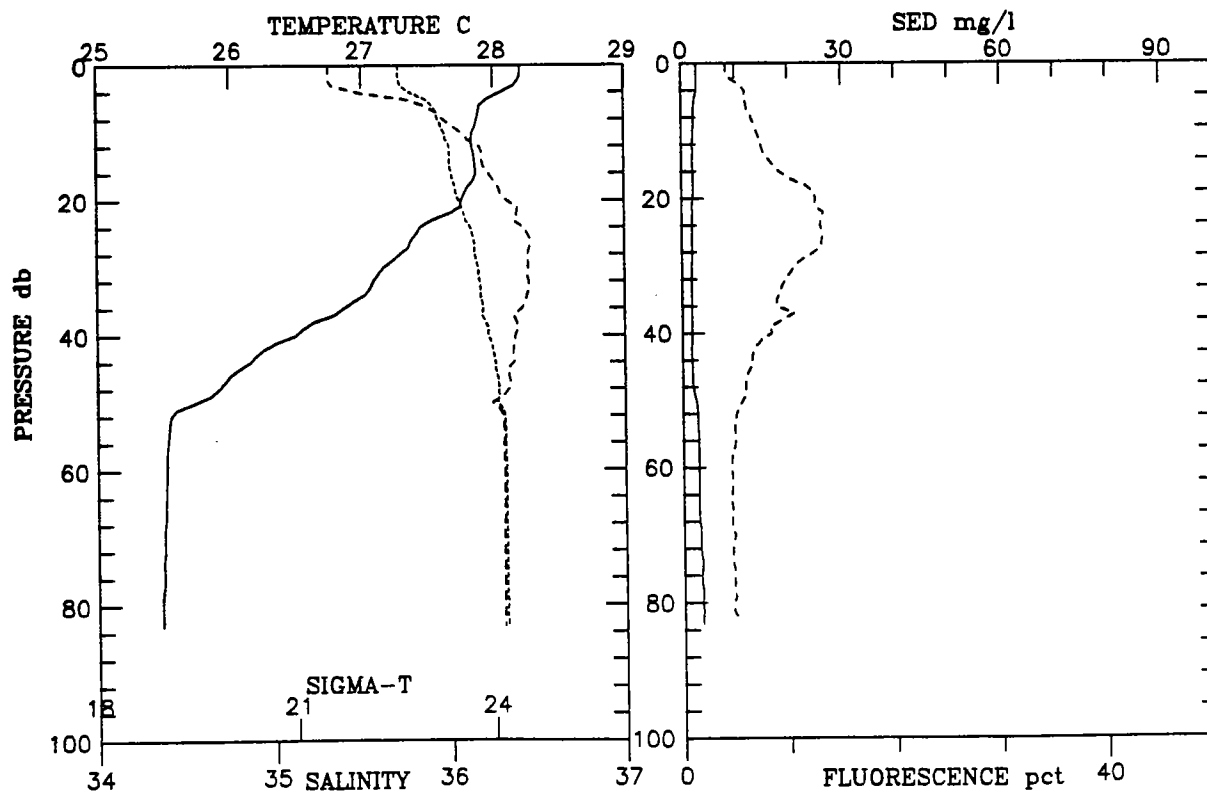
PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.678	36.477	23.613	0.0000	0.000	2.7	1.5
5.0		27.681	36.478	23.613	0.0215	0.000	2.6	1.5
10.0		27.611	36.468	23.628	0.0430	0.000	2.9	1.5
15.0		27.590	36.476	23.641	0.0644	0.000	3.4	1.5
20.0		27.584	36.476	23.643	0.0858	0.000	4.1	1.5
25.0		27.582	36.476	23.644	0.1072	0.000	4.5	1.5
30.0		27.577	36.475	23.644	0.1286	0.000	4.8	1.5
35.0		27.571	36.473	23.645	0.1501	0.000	5.0	1.5
40.0		27.532	36.456	23.645	0.1715	0.000	5.6	1.5
45.0		26.950	36.301	23.716	0.1929	0.000	10.4	1.7
50.0		26.154	36.181	23.878	0.2135	0.000	15.5	1.7
55.0		25.559	36.291	24.147	0.2331	0.000	12.2	1.7
60.0		25.439	36.304	24.194	0.2520	0.000	9.3	1.7
65.0		25.391	36.301	24.206	0.2709	0.000	7.4	1.7
70.0		25.385	36.304	24.211	0.2897	0.000	6.7	1.7
75.0		25.385	36.304	24.211	0.3085	0.000	6.6	1.7
80.0		25.385	36.304	24.210	0.3273	0.000	6.4	1.7





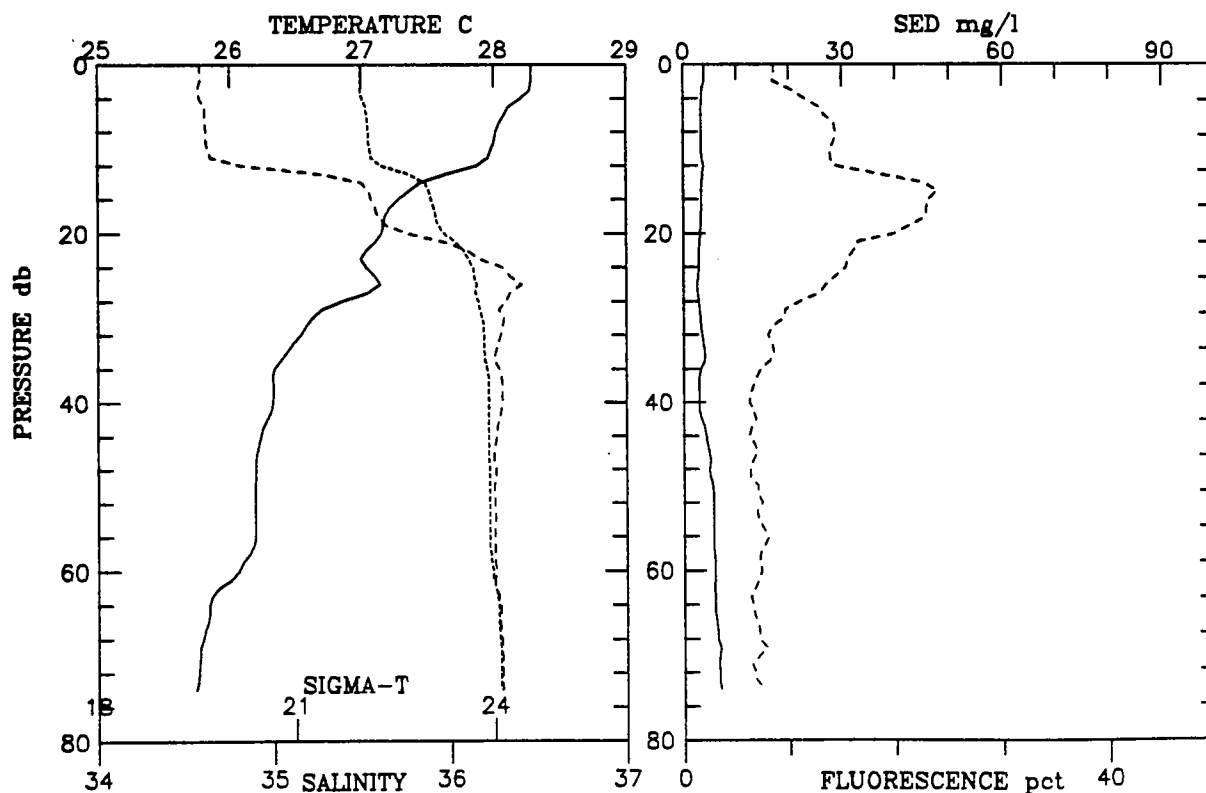
Cruise I9113 Leg 3 Station # 25 Depth m:81 Time: 1991-11-08 15:15  
 Position: 2° 43.81'N 48° 57.29'W Depth Deck Offset: 1.48 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.208	35.313	22.564	0.0000	0.000	4.2	2.9
5.0		27.957	35.751	22.975	0.0261	0.000	5.9	2.5
10.0		27.840	36.075	23.257	0.0499	0.000	7.1	2.1
15.0		27.861	36.196	23.342	0.0728	0.000	8.6	2.0
20.0		27.754	36.328	23.476	0.0954	0.000	12.6	2.0
25.0		27.404	36.446	23.679	0.1171	0.000	13.2	1.9
30.0		27.157	36.445	23.758	0.1382	0.000	10.6	1.8
35.0		26.928	36.428	23.819	0.1589	0.000	8.9	1.8
40.0		26.496	36.370	23.913	0.1793	0.000	8.4	1.7
45.0		26.063	36.324	24.015	0.1992	0.000	6.4	1.7
50.0		25.731	36.237	24.052	0.2187	0.000	5.6	2.5
55.0		25.533	36.302	24.163	0.2378	0.000	4.9	2.8
60.0		25.518	36.302	24.168	0.2568	0.000	4.5	2.8
65.0		25.511	36.302	24.170	0.2758	0.000	4.5	2.9
70.0		25.500	36.301	24.172	0.2947	0.000	4.8	3.1
75.0		25.493	36.301	24.175	0.3137	0.000	4.7	3.3
80.0		25.483	36.301	24.178	0.3327	0.000	4.7	3.3
83.0		25.478	36.299	24.178	0.3441	0.000	4.9	3.5



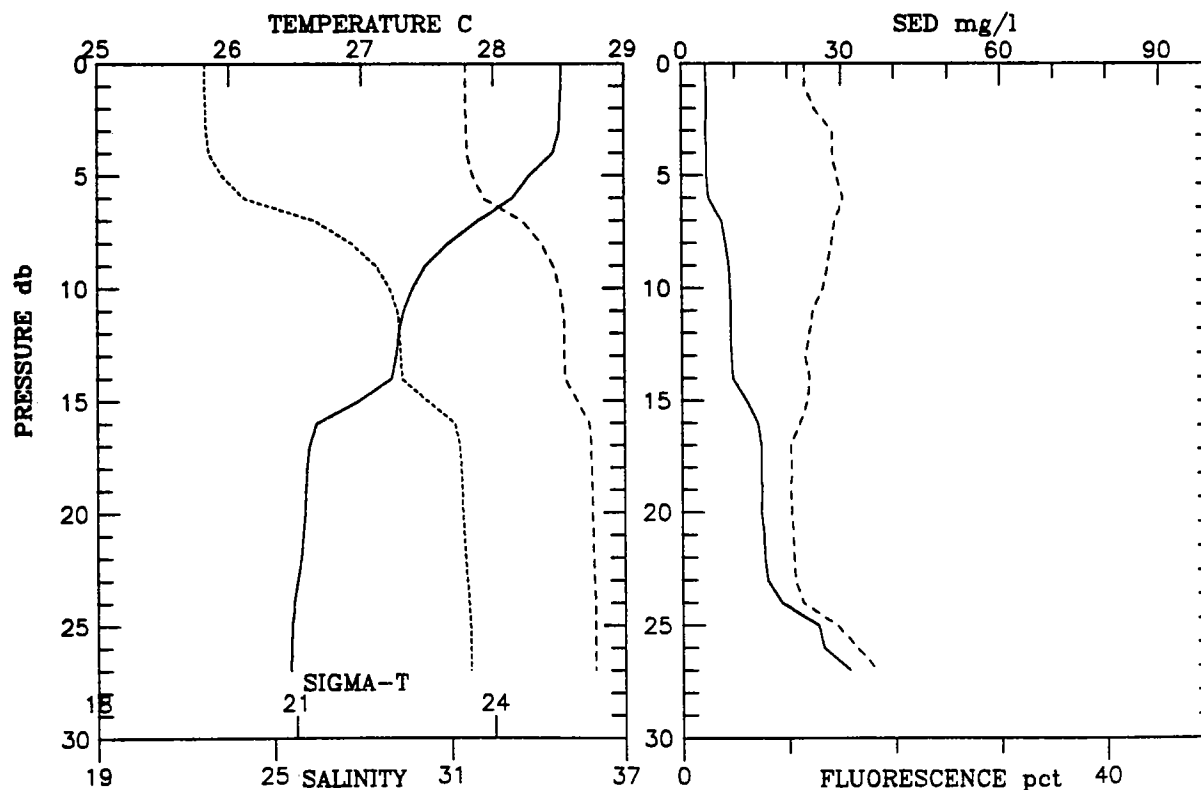
Cruise I9113 Leg 3 Station # 26 Depth m:75 Time: 1991-11-08 16:23  
 Position: 2° 40.61'N 49° 1.35'W Depth Deck Offset: 1.52 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.281	34.583	21.992	0.0000	0.000	8.6	4.0
5.0		28.110	34.609	22.067	0.0292	0.000	12.8	3.3
10.0		27.980	34.625	22.122	0.0580	0.000	13.9	3.3
15.0		27.357	35.542	23.013	0.0846	0.000	24.0	3.3
20.0		27.149	35.761	23.245	0.1086	0.000	20.0	3.1
25.0		27.101	36.341	23.698	0.1304	0.000	14.4	2.7
30.0		26.623	36.305	23.823	0.1514	0.000	9.5	3.1
35.0		26.384	36.248	23.857	0.1718	0.000	8.2	3.9
40.0		26.326	36.290	23.907	0.1921	0.000	6.2	2.8
45.0		26.220	36.253	23.911	0.2122	0.000	6.7	4.4
50.0		26.187	36.246	23.917	0.2324	0.000	7.0	5.4
55.0		26.188	36.251	23.920	0.2526	0.000	7.5	5.5
60.0		26.062	36.257	23.964	0.2727	0.000	7.3	5.8
65.0		25.841	36.286	24.055	0.2924	0.000	6.6	5.9
70.0		25.766	36.291	24.082	0.3119	0.000	7.1	6.6
74.0		25.741	36.293	24.092	0.3274	0.000	7.6	6.8



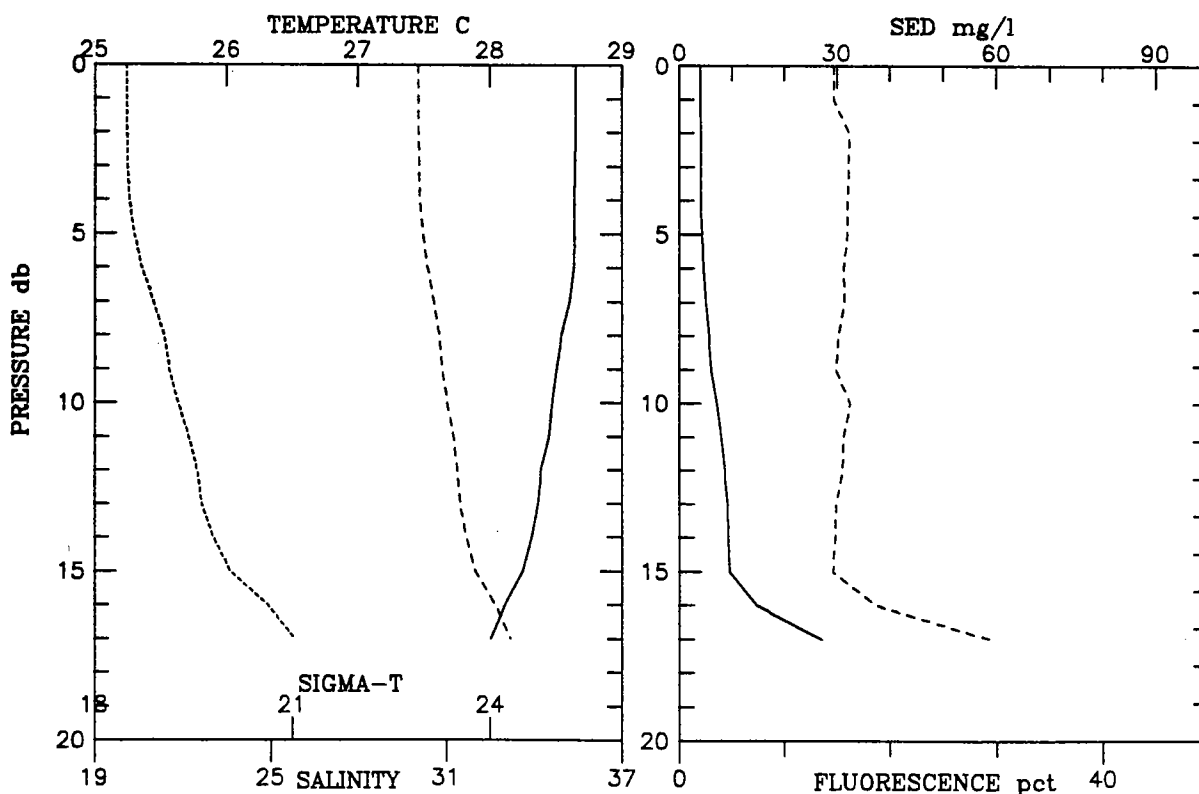
Cruise I9113 Leg 3 Station # 27 Depth m:30 Time: 1991-11-08 17:56  
 Position: 2° 35.39'N 49° 5.46'W Depth Deck Offset: 1.55 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.515	31.557	19.643	0.0000	0.000	11.6	4.6
2.0		28.509	31.561	19.648	0.0162	0.000	12.5	4.6
4.0		28.455	31.608	19.701	0.0324	0.000	14.2	4.6
6.0		28.144	32.181	20.232	0.0480	0.000	15.2	5.1
8.0		27.653	34.125	21.852	0.0613	0.000	14.1	8.2
10.0		27.383	34.770	22.424	0.0726	0.000	13.3	9.0
12.0		27.278	34.919	22.570	0.0833	0.000	12.0	9.2
14.0		27.223	34.944	22.607	0.0939	0.000	12.0	9.5
16.0		26.654	35.764	23.405	0.1037	0.000	11.1	14.3
18.0		26.582	35.851	23.495	0.1126	0.000	10.3	14.8
20.0		26.565	35.876	23.519	0.1214	0.000	10.3	14.8
22.0		26.536	35.913	23.556	0.1302	0.000	10.5	15.5
24.0		26.482	35.956	23.605	0.1388	0.000	11.3	18.6
26.0		26.458	35.973	23.626	0.1474	0.000	16.4	26.5
27.0		26.456	35.974	23.627	0.1517	0.000	18.3	31.4



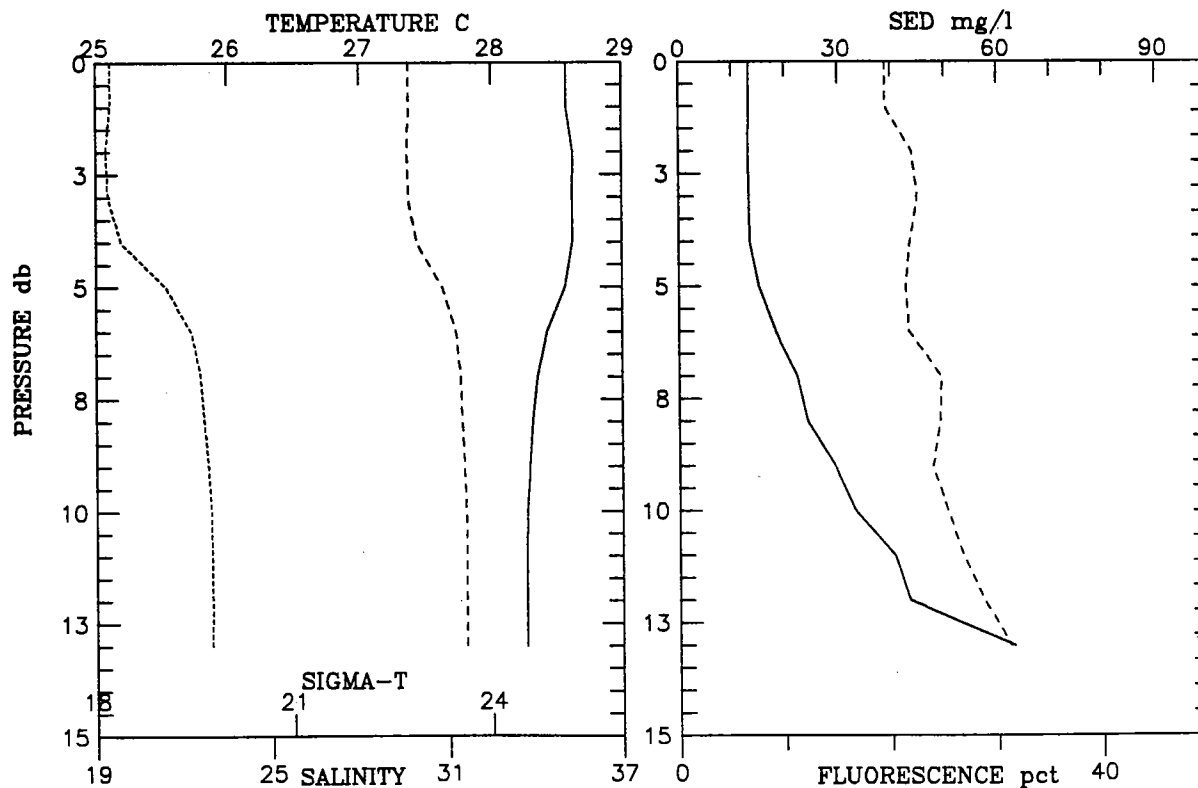
Cruise I9113 Leg 3 Station # 28 Depth m:20 Time: 1991-11-08 19:27  
 Position: 2° 28.78'N 49° 11.43'W Depth Deck Offset: 1.52 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.649	30.071	18.486	0.0000	0.000	14.7	4.0
1.0	28.649	30.071	18.486	0.0092	0.000	14.7	4.0
2.0	28.649	30.075	18.489	0.0184	0.000	16.2	4.1
3.0	28.642	30.083	18.497	0.0276	0.000	16.1	4.1
4.0	28.640	30.118	18.524	0.0368	0.000	16.0	4.1
5.0	28.641	30.223	18.602	0.0460	0.000	16.0	4.3
6.0	28.635	30.372	18.716	0.0550	0.000	15.6	4.5
7.0	28.598	30.589	18.890	0.0639	0.000	15.7	5.1
8.0	28.538	30.779	19.052	0.0727	0.000	15.1	5.6
9.0	28.504	30.872	19.133	0.0813	0.000	14.9	6.0
10.0	28.471	31.033	19.265	0.0899	0.000	16.2	7.1
11.0	28.446	31.241	19.429	0.0983	0.000	15.6	7.9
12.0	28.380	31.379	19.554	0.1065	0.000	15.5	8.7
13.0	28.360	31.459	19.620	0.1147	0.000	14.9	9.2
14.0	28.316	31.677	19.798	0.1227	0.000	14.8	9.3
15.0	28.243	31.985	20.053	0.1305	0.000	14.6	9.5
16.0	28.109	32.682	20.620	0.1380	0.000	18.7	14.7
17.0	28.003	33.186	21.033	0.1450	0.000	29.5	27.1



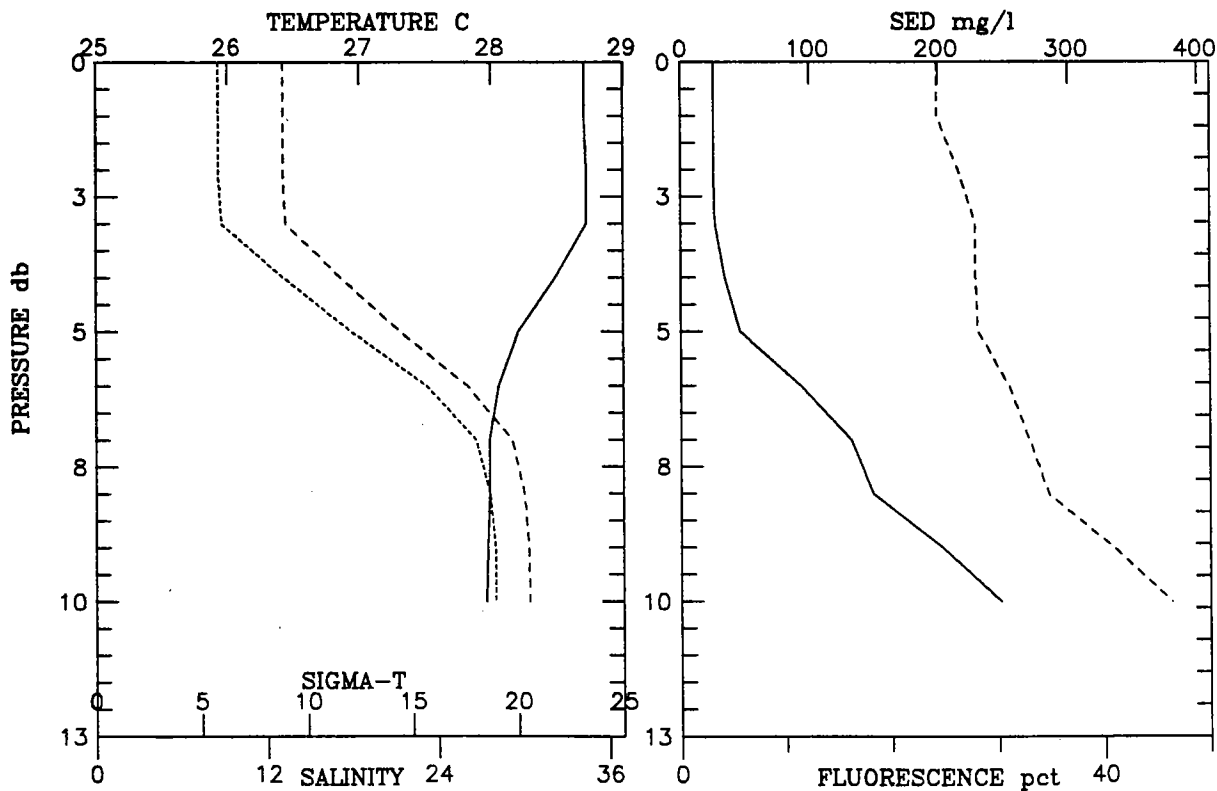
Cruise I9113 Leg 3 Station # 29 Depth m:16 Time: 1991-11-08 21:22  
 Position: 2° 22.65'N 49° 20.69'W Depth Deck Offset: 1.43 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.574	29.684	18.220	0.0000	0.000	19.5	13.3
1.0	28.573	29.684	18.220	0.0095	0.000	19.5	13.3
2.0	28.621	29.612	18.151	0.0190	0.000	22.0	13.2
3.0	28.620	29.659	18.187	0.0285	0.000	22.5	13.3
4.0	28.620	29.928	18.388	0.0379	0.000	21.8	13.4
5.0	28.561	30.814	19.071	0.0469	0.000	21.4	15.1
6.0	28.421	31.267	19.456	0.0554	0.000	21.7	18.2
7.0	28.346	31.418	19.594	0.0636	0.000	24.7	22.2
8.0	28.310	31.470	19.645	0.0717	0.000	24.6	24.2
9.0	28.283	31.539	19.705	0.0798	0.000	23.9	29.4
10.0	28.267	31.587	19.746	0.0878	0.000	25.3	33.2
11.0	28.263	31.599	19.757	0.0958	0.000	26.7	40.6
12.0	28.262	31.606	19.762	0.1038	0.000	28.7	43.3
13.0	28.263	31.605	19.761	0.1118	0.000	31.2	63.1



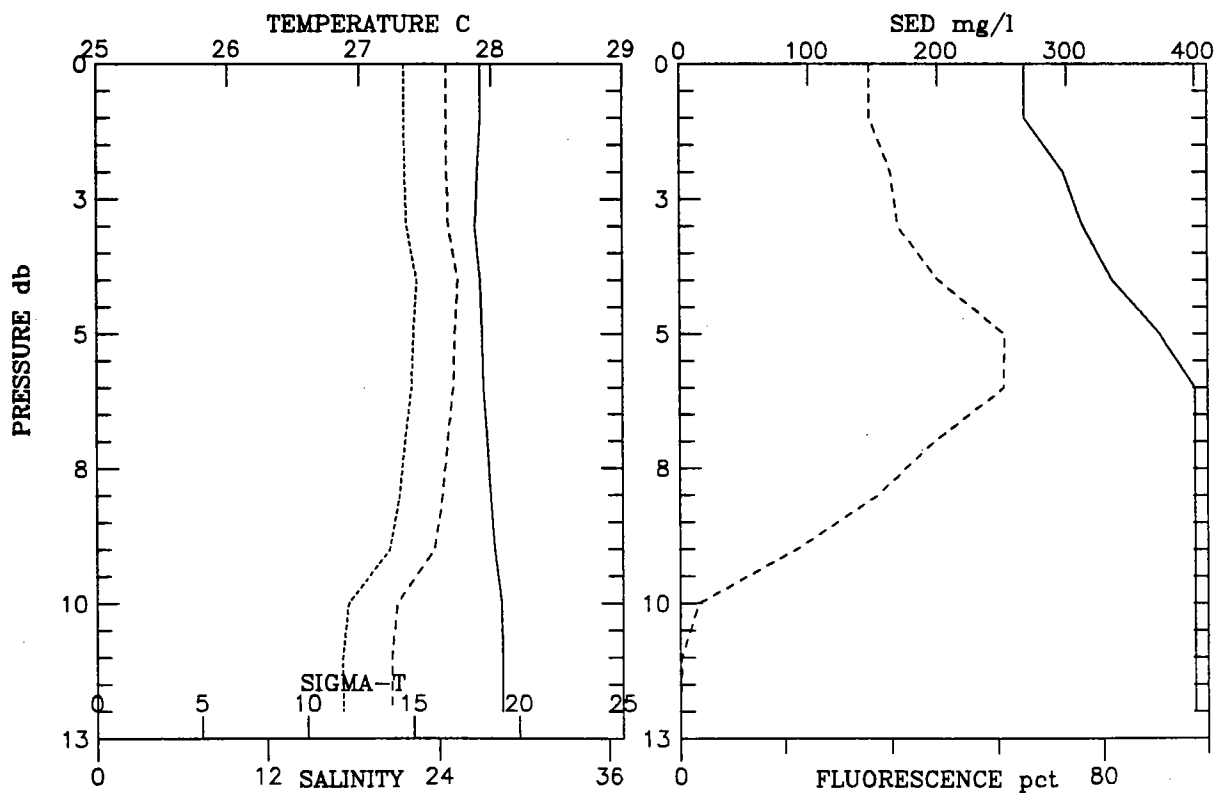
Cruise I9113 Leg 3 Station # 30 Depth m:16 Time: 1991-11-08 23:13  
 Position: 2° 20.50'N 49° 40.66'W Depth Deck Offset: 1.35 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.705	13.136	5.828	0.0000	0.000	24.3	25.7
1.0		28.705	13.136	5.828	0.0216	0.000	24.3	25.7
2.0		28.723	13.127	5.816	0.0432	0.000	26.3	25.5
3.0		28.721	13.342	5.976	0.0647	0.000	27.9	26.9
4.0		28.484	17.196	8.920	0.0846	0.000	27.9	34.1
5.0		28.200	21.377	12.127	0.1016	0.000	28.1	45.8
6.0		28.053	26.080	15.689	0.1152	0.000	31.0	93.0
7.0		27.985	29.180	18.032	0.1260	0.000	32.9	132.7
8.0		27.982	30.045	18.682	0.1354	0.000	34.7	149.2
9.0		27.970	30.345	18.911	0.1443	0.000	40.9	202.9
10.0		27.960	30.375	18.936	0.1531	0.000	46.3	248.0



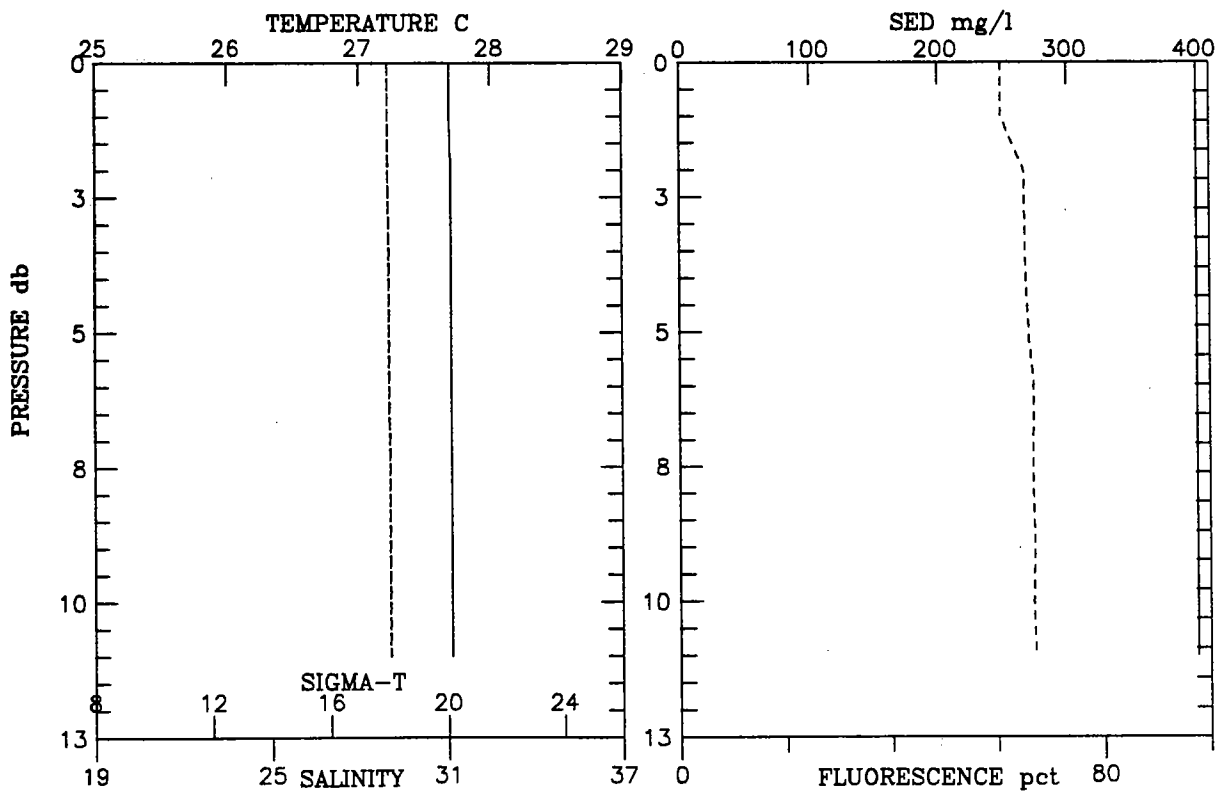
Cruise I9113 Leg 3 Station # 31 Depth m:13 Time: 1991-11-09 01:59  
 Position: 2° 23.22'N 50° 5.30'W Depth Deck Offset: 1.37 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.916	24.600	14.624	0.0000	0.000	36.0	267.3
1.0		27.916	24.600	14.624	0.0130	0.000	36.0	267.3
2.0		27.892	24.608	14.638	0.0259	0.000	40.0	297.6
3.0		27.873	24.721	14.728	0.0388	0.000	41.3	313.2
4.0		27.911	25.351	15.188	0.0514	0.000	48.9	335.2
5.0		27.926	25.148	15.031	0.0639	0.000	61.3	372.7
6.0		27.936	25.024	14.935	0.0765	0.000	61.2	400.0
7.0		27.965	24.622	14.625	0.0893	0.000	48.1	400.0
8.0		27.988	24.280	14.362	0.1024	0.000	37.3	400.0
9.0		28.017	23.668	13.896	0.1158	0.000	22.2	400.0
10.0		28.070	21.065	11.934	0.1305	0.000	3.5	400.0
11.0		28.077	20.696	11.657	0.1462	0.000	0.2	400.0
12.0		28.076	20.701	11.661	0.1620	0.000	0.0	400.0



Cruise I9113 Leg 3 Station # 32 Depth m:14 Time: 1991-11-09 04:07  
 Position: 2° 34.46'N 49° 53.66'W Depth Deck Offset: 1.35 Fish 1

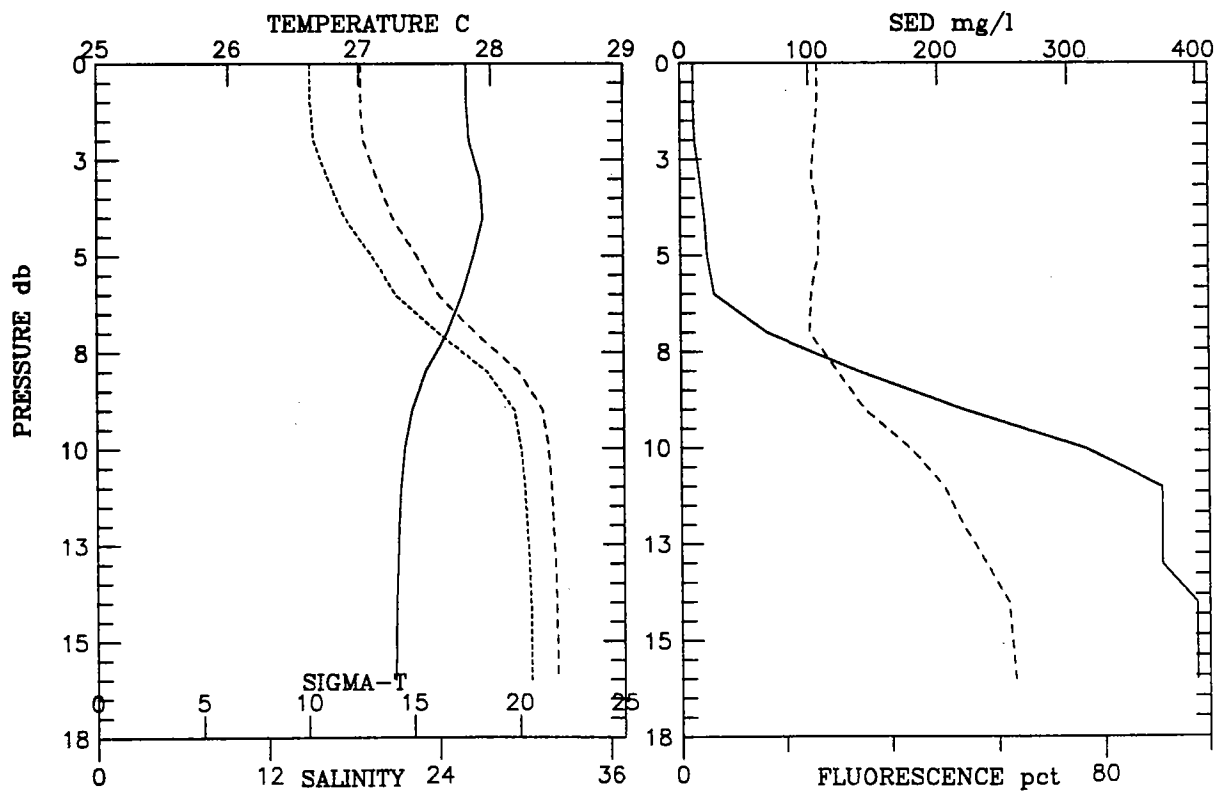
PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.689	28.970	17.969	0.0000	0.000	60.8	400.0
1.0		27.688	28.970	17.969	0.0097	0.000	60.8	400.0
2.0		27.700	28.979	17.972	0.0194	0.000	65.1	400.0
3.0		27.698	29.009	17.995	0.0291	0.000	65.3	400.0
4.0		27.699	29.016	18.000	0.0388	0.000	65.4	400.0
5.0		27.699	29.018	18.002	0.0485	0.000	65.9	400.0
6.0		27.699	29.026	18.008	0.0582	0.000	66.8	400.0
7.0		27.698	29.032	18.013	0.0679	0.000	66.7	400.0
8.0		27.697	29.040	18.019	0.0775	0.000	66.7	400.0
9.0		27.697	29.041	18.020	0.0872	0.000	66.9	400.0
10.0		27.697	29.039	18.018	0.0969	0.000	66.7	400.0
11.0		27.697	29.039	18.018	0.1065	0.000	67.0	400.0





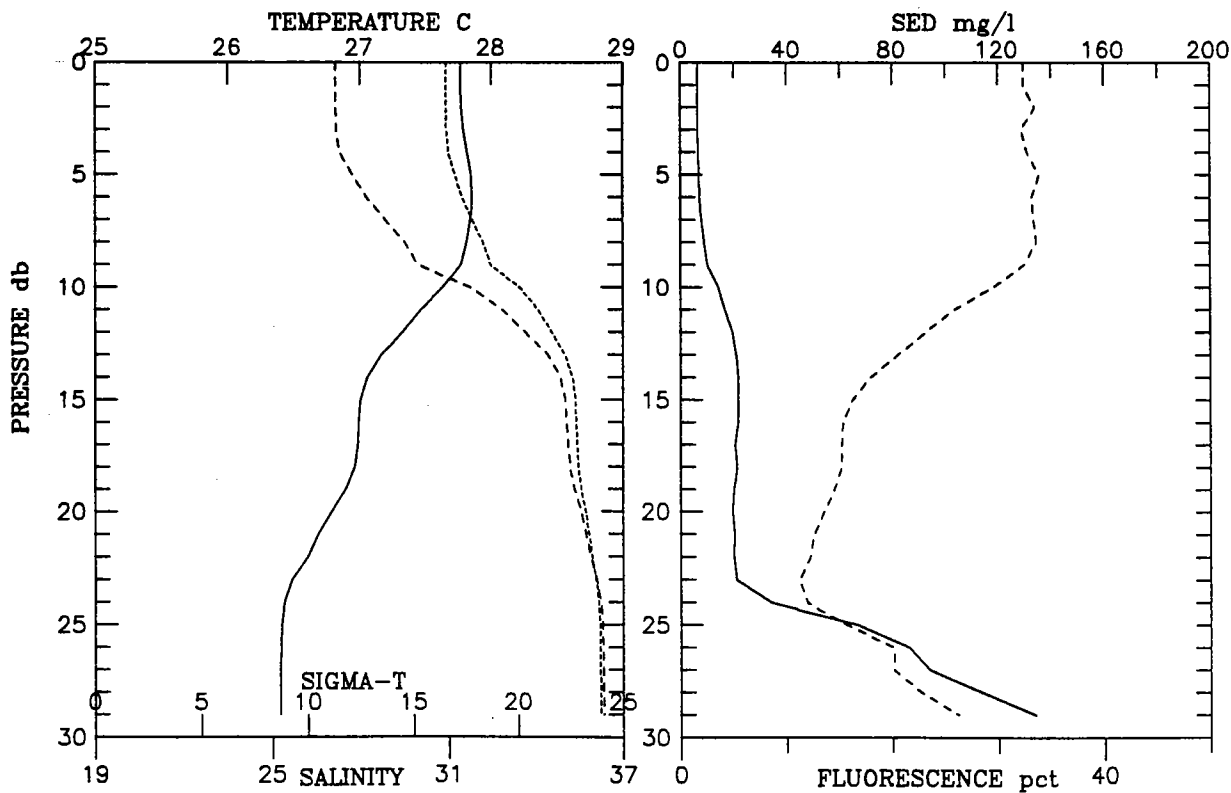
Cruise I9113 Leg 3 Station # 33 Depth m:19 Time: 1991-11-09 05:38  
 Position: 2° 46.64'N 49° 45.73'W Depth Deck Offset: 1.35 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.811	18.603	10.176	0.0000	0.000	26.1	10.5
1.0		27.811	18.603	10.176	0.0173	0.000	26.1	10.5
2.0		27.834	18.823	10.333	0.0345	0.000	25.5	11.2
3.0		27.917	19.782	11.024	0.0513	0.000	25.0	15.0
4.0		27.933	20.830	11.801	0.0674	0.000	26.5	18.8
5.0		27.864	22.519	13.085	0.0825	0.000	26.2	20.7
6.0		27.775	23.992	14.214	0.0964	0.000	24.9	26.0
7.0		27.660	26.660	16.247	0.1087	0.000	24.6	67.3
8.0		27.494	29.623	18.520	0.1190	0.000	29.8	138.2
9.0		27.392	31.271	19.790	0.1276	0.000	35.0	219.3
10.0		27.333	31.667	20.107	0.1354	0.000	43.5	313.2
11.0		27.307	31.880	20.275	0.1430	0.000	49.9	372.7
12.0		27.293	32.002	20.371	0.1504	0.000	53.4	372.7
13.0		27.280	32.140	20.479	0.1578	0.000	57.7	372.7
14.0		27.270	32.215	20.538	0.1651	0.000	61.9	400.0
15.0		27.265	32.257	20.571	0.1723	0.000	62.5	400.0
16.0		27.264	32.261	20.575	0.1795	0.000	63.1	400.0



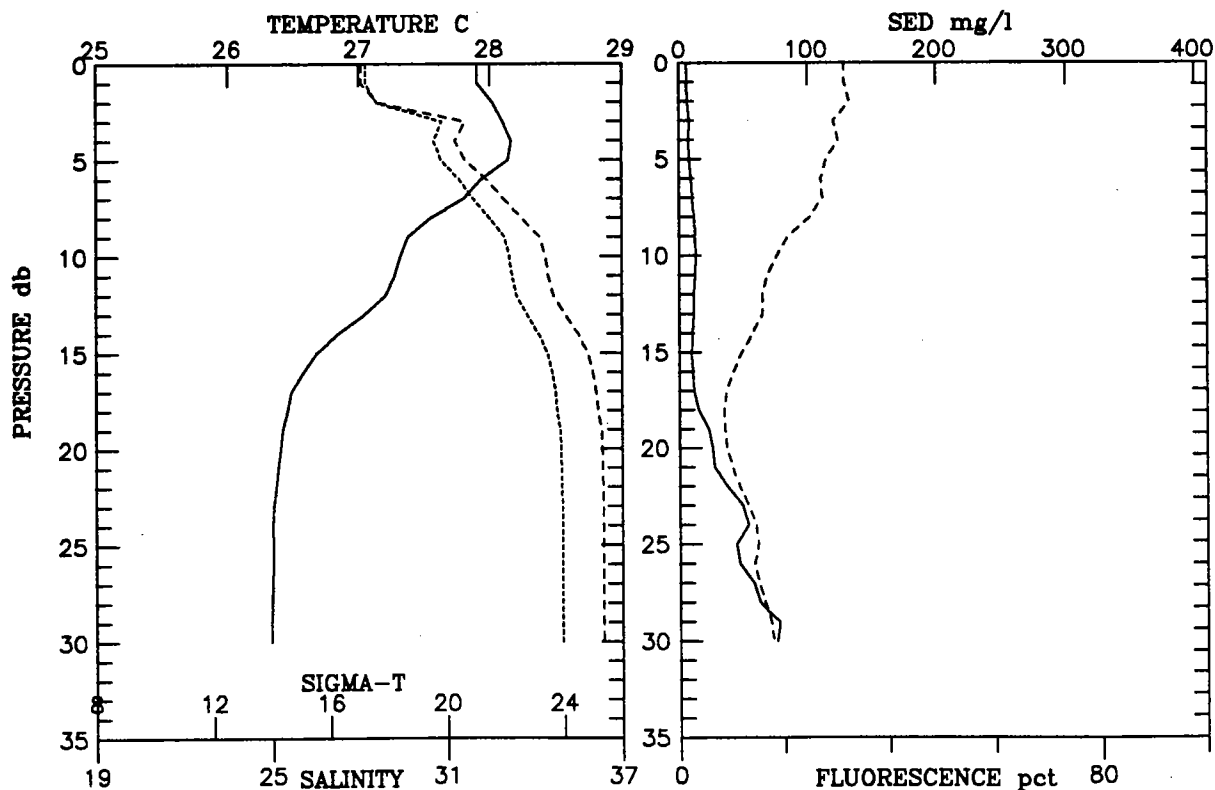
Cruise I9113 Leg 3 Station # 34 Depth m:31 Time: 1991-11-09 08:22  
 Position: 2° 56.49'N 49° 35.40'W Depth Deck Offset: 1.33 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.764	27.177	16.601	0.0000	0.000	32.4
2.0		27.769	27.175	16.598	0.0221	0.000	33.5
4.0		27.816	27.311	16.685	0.0441	0.000	32.8
6.0		27.848	28.218	17.354	0.0654	0.000	33.2
8.0		27.809	29.517	18.341	0.0851	0.000	33.6
10.0		27.627	31.762	20.084	0.1026	0.000	29.5
12.0		27.317	33.644	21.598	0.1164	0.000	23.1
14.0		27.052	34.861	22.599	0.1278	0.000	17.9
16.0		26.986	35.066	22.774	0.1381	0.000	15.3
18.0		26.956	35.182	22.871	0.1482	0.000	15.2
20.0		26.782	35.570	23.219	0.1580	0.000	13.5
22.0		26.601	35.885	23.514	0.1670	0.000	12.2
24.0		26.421	36.235	23.835	0.1755	0.000	11.9
26.0		26.396	36.308	23.898	0.1836	0.000	20.1
28.0		26.391	36.323	23.911	0.1917	0.000	22.7
29.0		26.390	36.326	23.913	0.1957	0.000	26.2



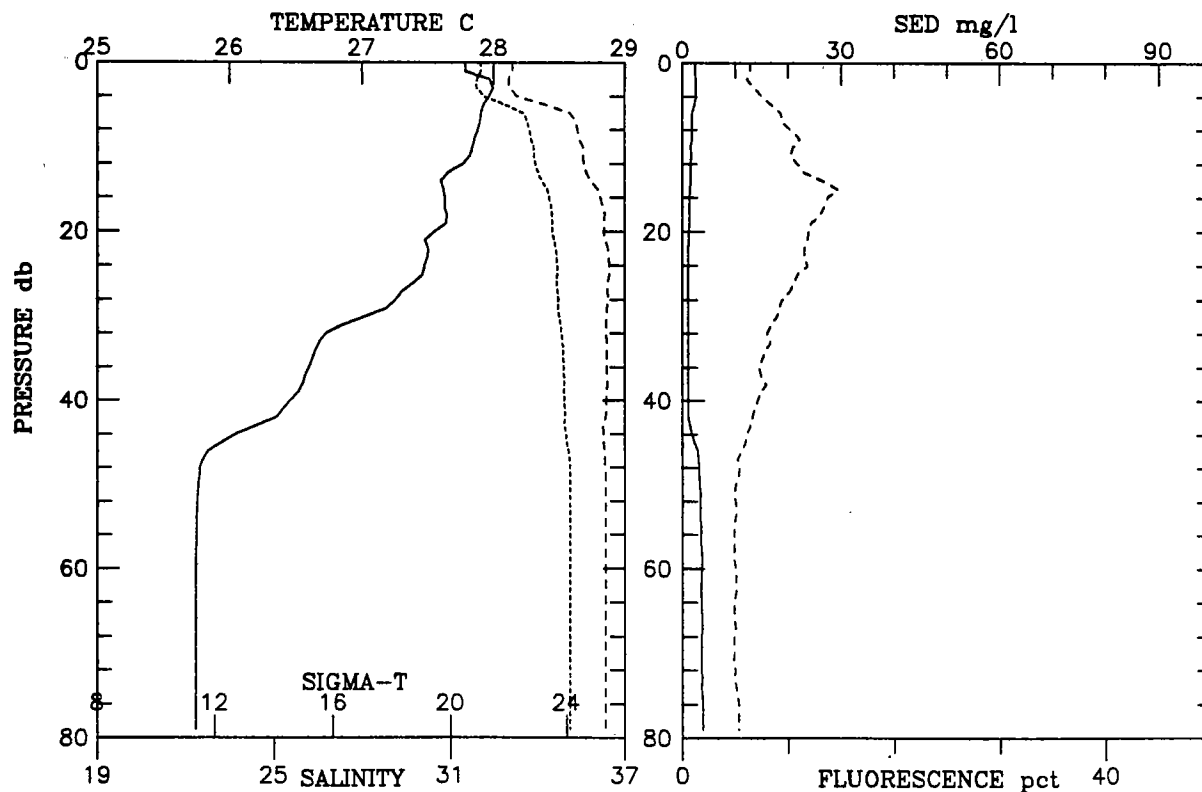
Cruise I9113 Leg 3 Station # 35 Depth m:69 Time: 1991-11-09 10:53  
 Position: 3° 3.01'N 49° 26.53'W Depth Deck Offset: 1.43 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.902	28.077	17.232	0.0000	0.000	31.5	5.8
2.0	28.020	28.659	17.630	0.0207	0.000	32.5	6.1
4.0	28.159	31.304	19.569	0.0377	0.000	30.3	7.0
6.0	27.931	32.380	20.450	0.0533	0.000	27.0	9.4
8.0	27.547	33.579	21.475	0.0670	0.000	24.9	11.8
10.0	27.315	34.375	22.149	0.0789	0.000	18.6	12.7
12.0	27.201	34.645	22.388	0.0901	0.000	15.8	11.2
14.0	26.833	35.497	23.148	0.1004	0.000	13.9	10.1
16.0	26.571	35.990	23.603	0.1094	0.000	10.2	10.2
18.0	26.450	36.161	23.770	0.1178	0.000	8.4	14.4
20.0	26.397	36.300	23.891	0.1260	0.000	9.0	25.5
22.0	26.365	36.324	23.920	0.1340	0.000	11.4	37.2
24.0	26.337	36.339	23.940	0.1420	0.000	14.5	53.5
26.0	26.340	36.339	23.939	0.1500	0.000	14.2	46.4
28.0	26.330	36.340	23.943	0.1580	0.000	16.2	62.5
30.0	26.326	36.340	23.944	0.1660	0.000	17.8	75.7



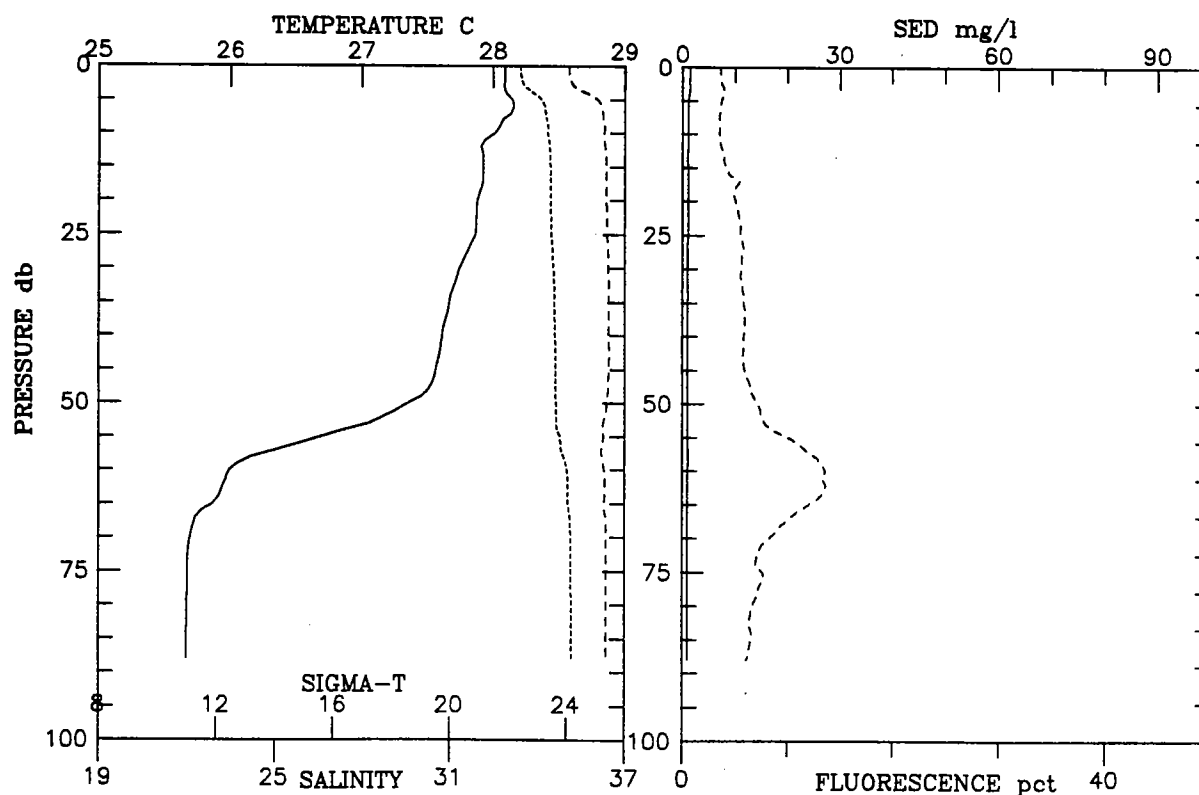
Cruise I9113 Leg 3 Station # 36 Depth m:77 Time: 1991-11-09 12:53  
 Position: 3° 9.45'N 49° 17.61'W Depth Deck Offset: 1.70 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.784	33.135	21.065	0.0000	0.000	6.4	2.4
5.0		27.920	34.258	21.865	0.0335	0.000	8.4	2.2
10.0		27.836	35.562	22.873	0.0598	0.000	10.5	1.5
15.0		27.614	36.072	23.329	0.0842	0.000	14.7	1.4
20.0		27.545	36.272	23.502	0.1065	0.000	11.9	1.2
25.0		27.456	36.463	23.675	0.1280	0.000	10.8	1.1
30.0		27.018	36.368	23.745	0.1492	0.000	8.9	1.1
35.0		26.622	36.382	23.882	0.1697	0.000	7.5	1.0
40.0		26.456	36.349	23.910	0.1899	0.000	7.1	1.1
45.0		25.935	36.263	24.009	0.2099	0.000	5.9	2.3
50.0		25.768	36.324	24.107	0.2293	0.000	5.0	3.2
55.0		25.753	36.326	24.113	0.2485	0.000	4.9	3.4
60.0		25.748	36.326	24.115	0.2677	0.000	5.0	3.6
65.0		25.747	36.325	24.114	0.2870	0.000	4.9	3.6
70.0		25.747	36.325	24.114	0.3062	0.000	4.9	3.6
75.0		25.746	36.325	24.115	0.3255	0.000	5.2	3.7
79.0		25.746	36.324	24.114	0.3409	0.000	5.3	3.8



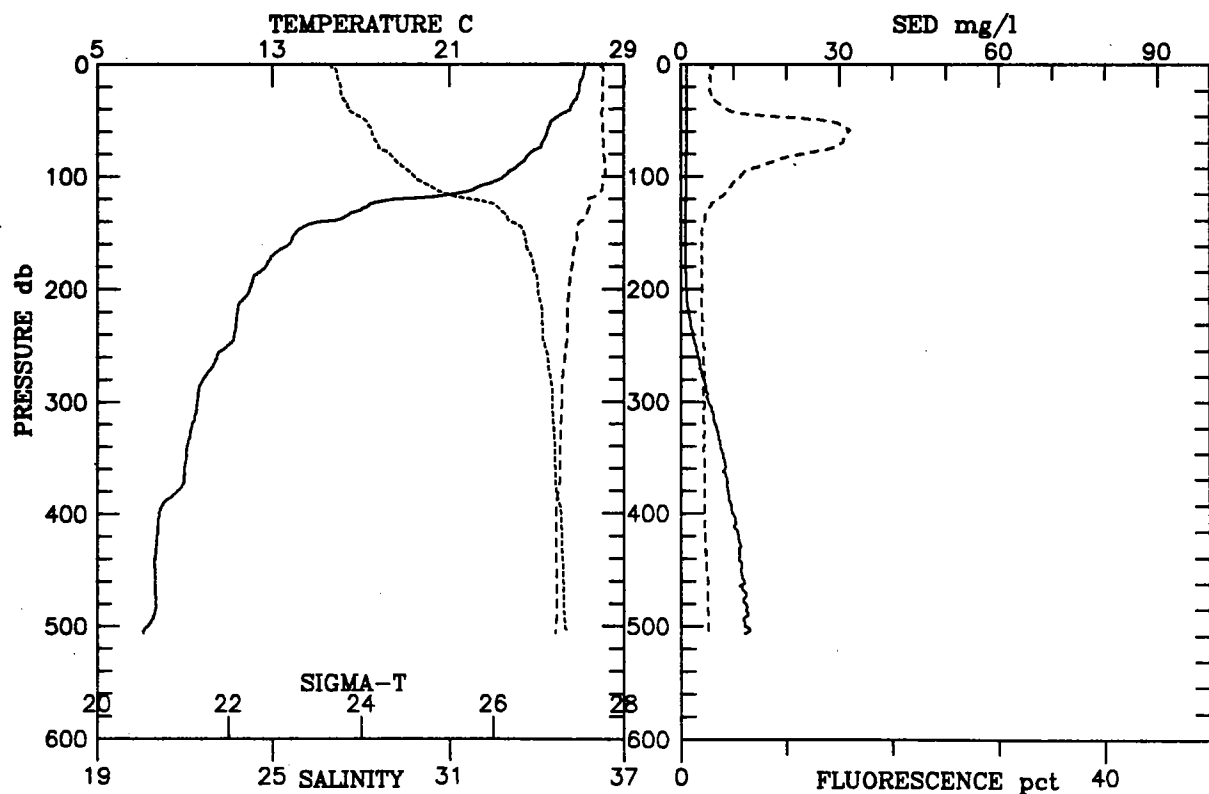
Cruise I9113 Leg 3 Station # 37 Depth m:87 Time: 1991-11-09 14:48  
 Position: 3° 22.68'N 49° 6.14'W Depth Deck Offset: 1.45 Fish 1

PRESSURE Interp (d-bars)		TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.088	35.094	22.439	0.0000	0.000	3.6	1.4
5.0		28.143	36.080	23.162	0.0262	0.000	3.7	1.1
10.0		28.014	36.280	23.355	0.0492	0.000	3.5	1.0
15.0		27.920	36.358	23.445	0.0717	0.000	4.2	1.0
20.0		27.878	36.364	23.463	0.0940	0.000	5.0	1.0
25.0		27.861	36.379	23.480	0.1162	0.000	5.5	1.0
30.0		27.744	36.423	23.551	0.1382	0.000	5.6	0.9
35.0		27.664	36.446	23.595	0.1600	0.000	5.8	0.9
40.0		27.607	36.448	23.615	0.1816	0.000	5.8	0.9
45.0		27.561	36.450	23.631	0.2031	0.000	5.9	0.9
50.0		27.353	36.378	23.644	0.2247	0.000	7.2	0.9
55.0		26.685	36.275	23.781	0.2460	0.000	10.2	0.9
60.0		25.989	36.295	24.016	0.2664	0.000	13.6	0.9
65.0		25.865	36.291	24.052	0.2860	0.000	11.9	0.9
70.0		25.697	36.354	24.152	0.3052	0.000	8.2	0.9
75.0		25.676	36.361	24.164	0.3242	0.000	7.7	0.9
80.0		25.670	36.361	24.165	0.3433	0.000	6.6	0.9
85.0		25.667	36.363	24.168	0.3623	0.000	6.5	0.9
88.0		25.664	36.363	24.169	0.3738	0.000	6.1	0.9



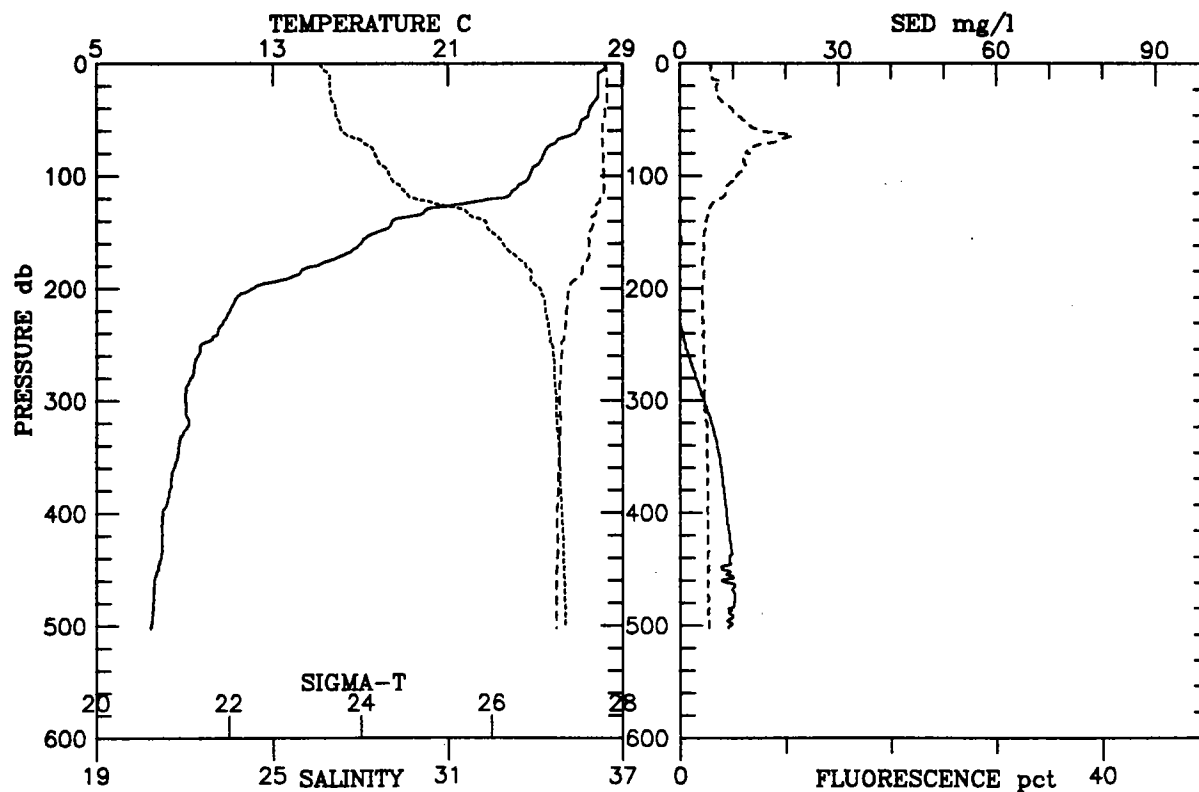
Cruise I9113 Leg 3 Station # 38 Depth m:1365 Time: 1991-11-09 20:49  
 Position: 4° 23.93'N 48° 56.48'W Depth Deck Offset: 1.45 Fish 1

PRESSURE Interp (d-bars)		TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.221	36.194	23.548	0.0000	0.000	3.1	1.0
10.0		27.117	36.277	23.644	0.0430	0.000	2.8	1.0
20.0		26.955	36.274	23.694	0.0855	0.000	2.8	1.0
30.0		26.826	36.268	23.731	0.1277	0.000	3.0	1.0
40.0		26.536	36.258	23.816	0.1692	0.000	4.4	1.0
50.0		25.696	36.249	24.073	0.2093	0.000	13.7	1.1
60.0		25.474	36.274	24.161	0.2476	0.000	15.8	1.1
70.0		25.226	36.287	24.247	0.2854	0.000	15.2	1.0
80.0		24.642	36.300	24.435	0.3220	0.000	11.4	0.9
100.0		23.492	36.340	24.808	0.3895	0.000	5.7	0.9
150.0		14.040	35.376	26.470	0.5038	0.000	2.0	0.8
200.0		11.963	35.113	26.685	0.5796	0.000	2.0	1.0
250.0		10.946	34.999	26.785	0.6488	0.000	2.1	2.8
300.0		9.573	34.840	26.900	0.7125	0.000	2.2	5.2
400.0		7.826	34.658	27.032	0.8326	0.000	2.2	9.7
500.0		7.297	34.639	27.093	0.9427	0.000	2.6	12.2



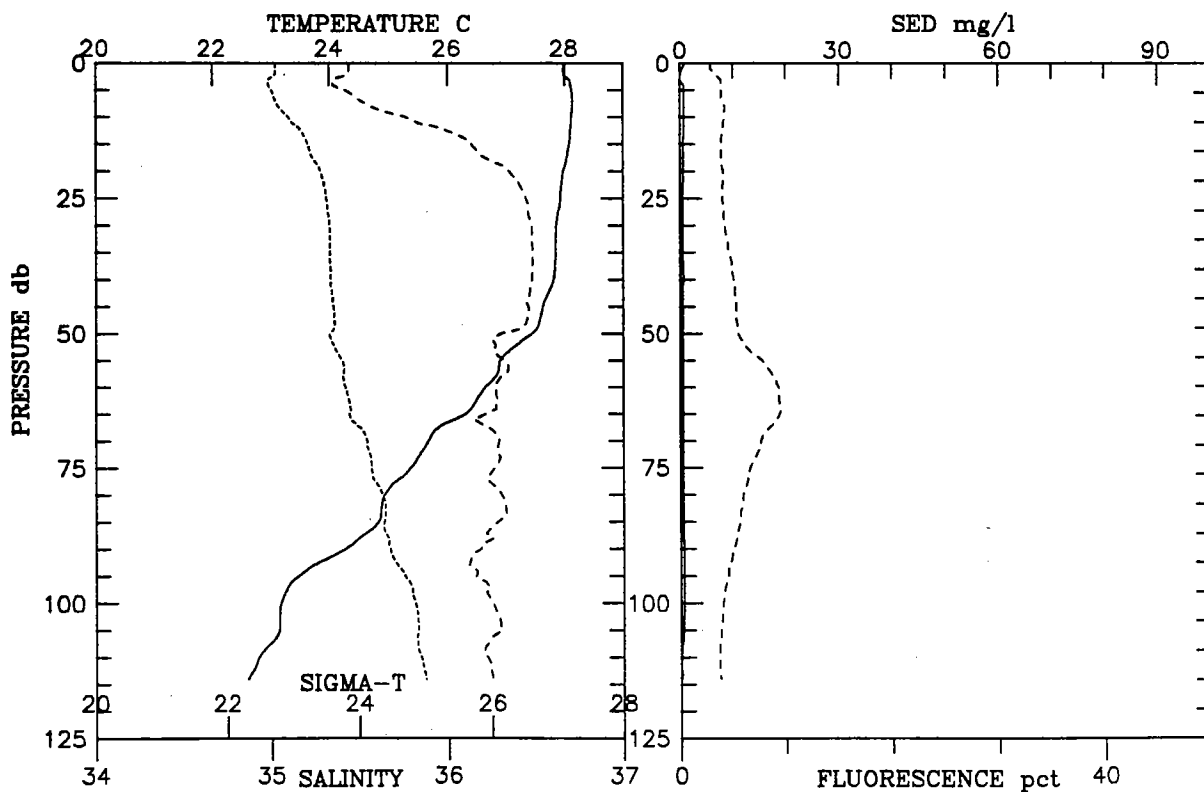
Cruise I9113 Leg 3 Station # 39 Depth m:620 Time: 1991-11-09 23:16  
 Position: 4° 10.96'N 49° 11.57'W Depth Deck Offset: 1.37 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.204	36.424	23.401	0.0000	0.000	2.9	-1.4
10.0	27.890	36.455	23.527	0.0446	0.000	3.0	-1.4
20.0	27.871	36.461	23.538	0.0884	0.000	3.4	-1.3
30.0	27.849	36.466	23.549	0.1321	0.000	3.6	-1.3
40.0	27.512	36.408	23.615	0.1755	0.000	4.8	-1.2
50.0	27.178	36.321	23.658	0.2186	0.000	5.9	-1.2
60.0	26.923	36.304	23.727	0.2611	0.000	7.8	-1.2
70.0	25.967	36.321	24.043	0.3019	0.000	8.9	-1.4
80.0	25.414	36.325	24.218	0.3400	0.000	6.6	-1.4
100.0	24.736	36.356	24.448	0.4132	0.000	5.3	-1.4
150.0	17.662	35.863	26.018	0.5539	0.000	2.3	-0.2
200.0	12.057	35.208	26.740	0.6385	0.000	2.1	-0.3
250.0	9.713	34.900	26.923	0.7027	0.000	2.2	1.0
300.0	9.036	34.832	26.981	0.7614	0.000	2.3	4.5
400.0	7.991	34.745	27.075	0.8734	0.000	2.6	8.6
500.0	7.470	34.713	27.127	0.9796	0.000	2.7	9.5



Cruise I9113 Leg 3 Station # 40 Depth m:115 Time: 1991-11-10 01:15  
 Position: 3° 57.93'N 49° 19.67'W Depth Deck Offset: 1.37 Fish 1

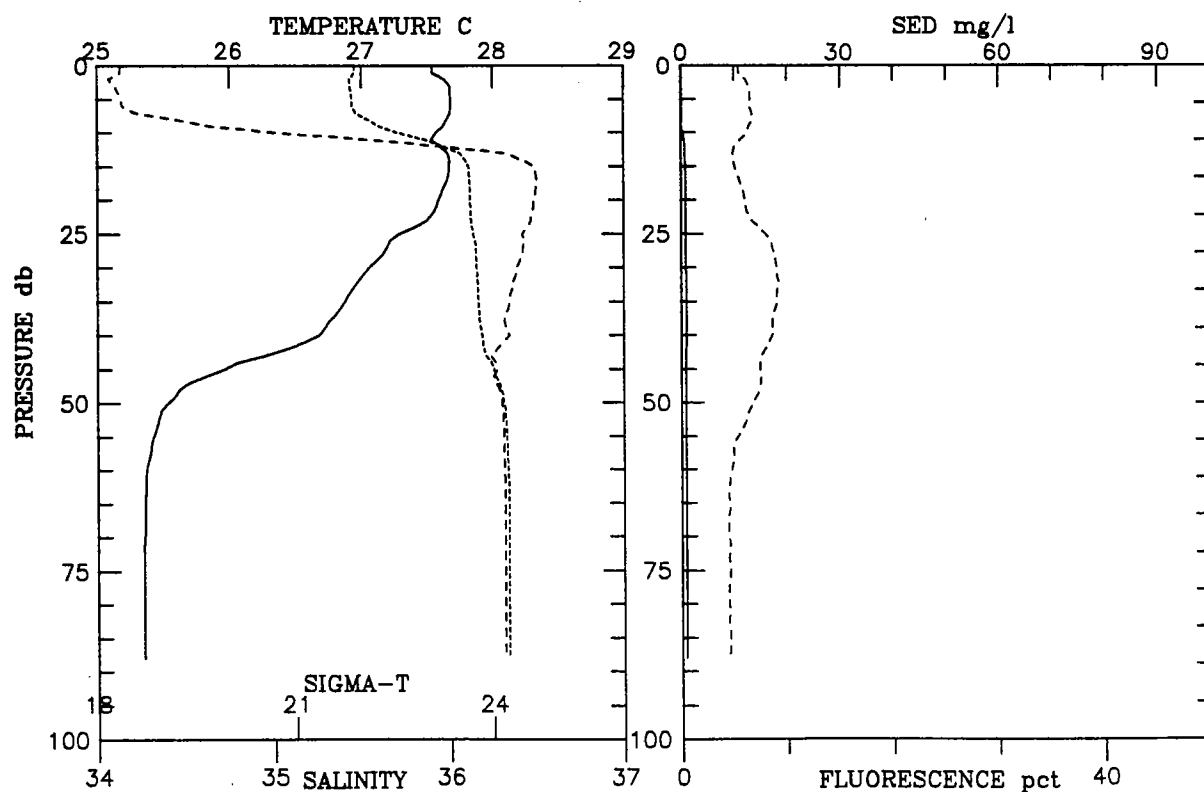
PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.979	35.443	22.737	0.0000	0.000	2.9	0.9
10.0		28.113	35.767	22.936	0.0509	0.000	4.2	0.6
20.0		27.972	36.350	23.421	0.0978	0.000	4.1	0.5
30.0		27.848	36.476	23.557	0.1420	0.000	4.3	0.4
40.0		27.802	36.477	23.573	0.1856	0.000	5.1	0.5
50.0		27.437	36.295	23.554	0.2289	0.000	5.5	0.4
60.0		26.627	36.269	23.795	0.2712	0.000	9.3	0.4
70.0		25.664	36.290	24.114	0.3116	0.000	7.6	0.4
80.0		24.913	36.302	24.354	0.3493	0.000	5.9	0.4
90.0		24.246	36.184	24.466	0.3852	0.000	5.0	0.5
100.0		23.154	36.254	24.842	0.4185	0.000	4.0	0.5
110.0		22.779	36.223	24.927	0.4499	0.000	3.7	0.1
114.0		22.598	36.249	24.999	0.4621	0.000	3.8	0.1





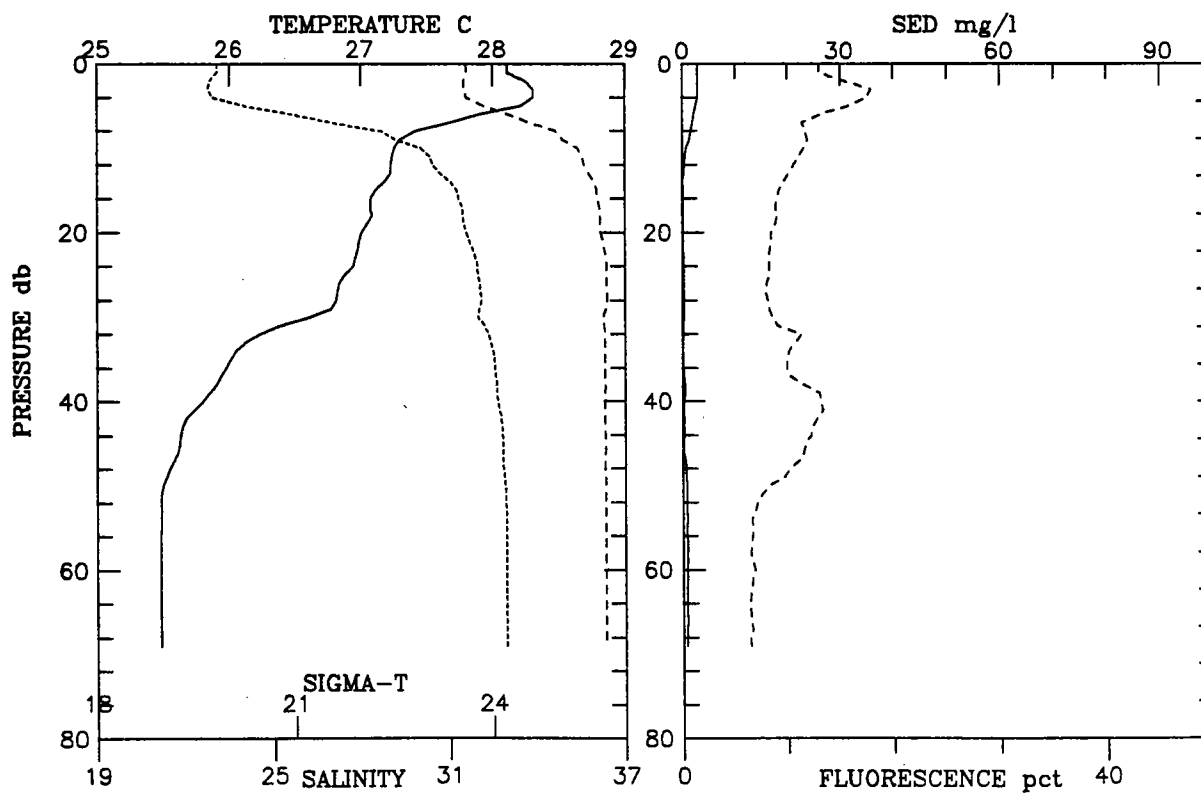
Cruise I9113 Leg 3 Station # 41 Depth m:92 Time: 1991-11-10 03:10  
 Position: 3° 46.76'N 49° 31.17'W Depth Deck Offset: 1.43 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.536	34.131	21.894	0.0000	0.000	5.4	0.1
5.0	27.677	34.138	21.853	0.0299	0.000	6.5	0.1
10.0	27.568	35.019	22.551	0.0588	0.000	6.2	0.3
15.0	27.663	36.488	23.626	0.0820	0.000	5.1	0.8
20.0	27.583	36.482	23.648	0.1034	0.000	6.0	0.8
25.0	27.282	36.415	23.695	0.1247	0.000	8.0	0.8
30.0	27.054	36.382	23.744	0.1457	0.000	9.0	0.8
35.0	26.865	36.343	23.775	0.1665	0.000	9.1	0.9
40.0	26.676	36.342	23.834	0.1873	0.000	8.6	0.9
45.0	25.950	36.270	24.009	0.2075	0.000	7.4	0.8
50.0	25.534	36.297	24.159	0.2268	0.000	6.7	0.8
55.0	25.421	36.307	24.202	0.2457	0.000	5.3	0.8
60.0	25.370	36.310	24.220	0.2644	0.000	4.7	0.8
65.0	25.359	36.315	24.227	0.2832	0.000	4.5	0.8
70.0	25.356	36.316	24.229	0.3019	0.000	4.4	0.8
75.0	25.352	36.316	24.230	0.3206	0.000	4.5	0.8
80.0	25.352	36.316	24.230	0.3393	0.000	4.4	0.8
85.0	25.351	36.316	24.230	0.3581	0.000	4.5	0.8
88.0	25.351	36.316	24.230	0.3693	0.000	4.4	0.8



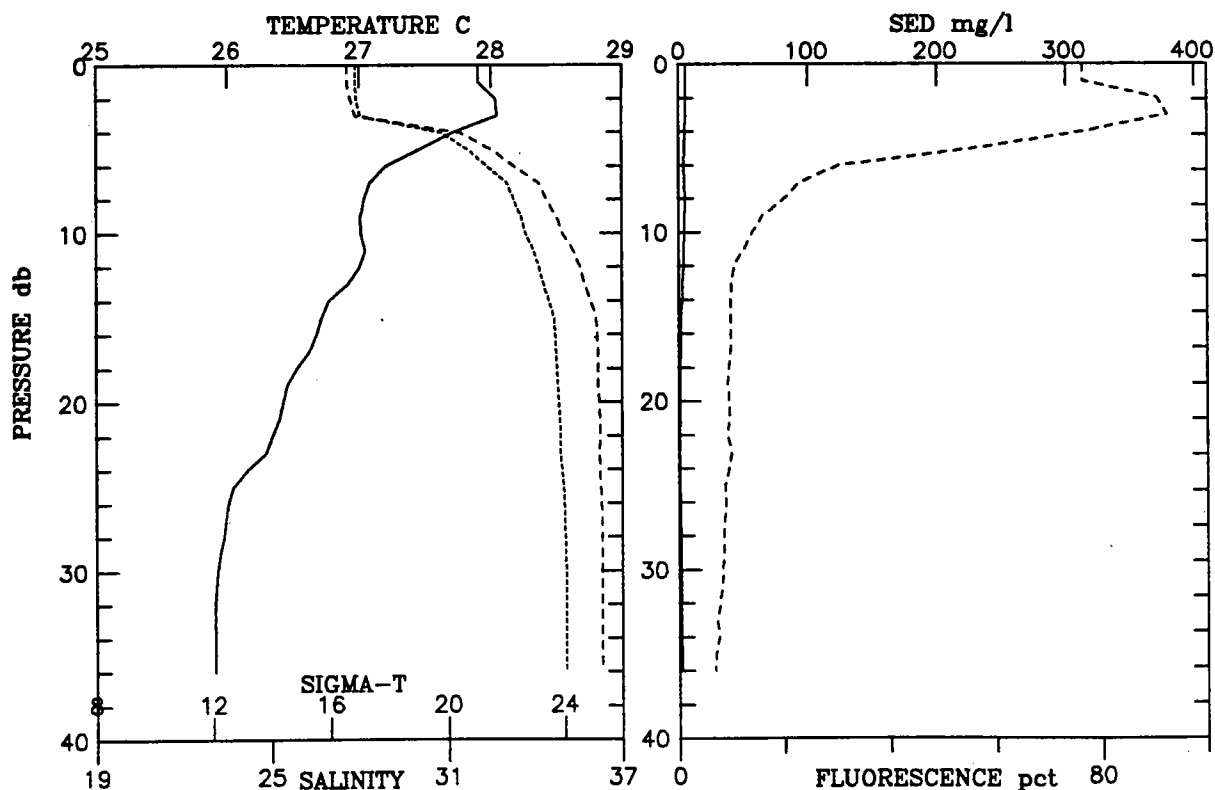
Cruise I9113 Leg 3 Station # 42 Depth m:81 Time: 1991-11-10 05:33  
 Position: 3° 34.75'N 49° 44.48'W Depth Deck Offset: 1.40 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.108	31.605	19.811	0.0000	0.000	13.0	2.9
5.0	28.212	32.204	20.227	0.0398	0.000	15.9	2.5
10.0	27.258	35.365	22.912	0.0701	0.000	11.6	0.7
15.0	27.111	36.021	23.453	0.0936	0.000	9.2	0.1
20.0	27.003	36.166	23.597	0.1156	0.000	8.4	0.1
25.0	26.875	36.344	23.772	0.1367	0.000	8.2	0.2
30.0	26.606	36.233	23.775	0.1573	0.000	8.5	0.2
35.0	26.004	36.302	24.016	0.1774	0.000	9.9	0.1
40.0	25.798	36.283	24.067	0.1969	0.000	13.1	0.2
45.0	25.619	36.306	24.140	0.2161	0.000	11.7	0.1
50.0	25.495	36.303	24.176	0.2351	0.000	8.2	0.7
55.0	25.478	36.312	24.188	0.2540	0.000	6.6	0.7
60.0	25.475	36.312	24.189	0.2729	0.000	6.8	0.7
65.0	25.476	36.312	24.188	0.2918	0.000	6.4	0.7
69.0	25.475	36.312	24.189	0.3069	0.000	6.4	0.7



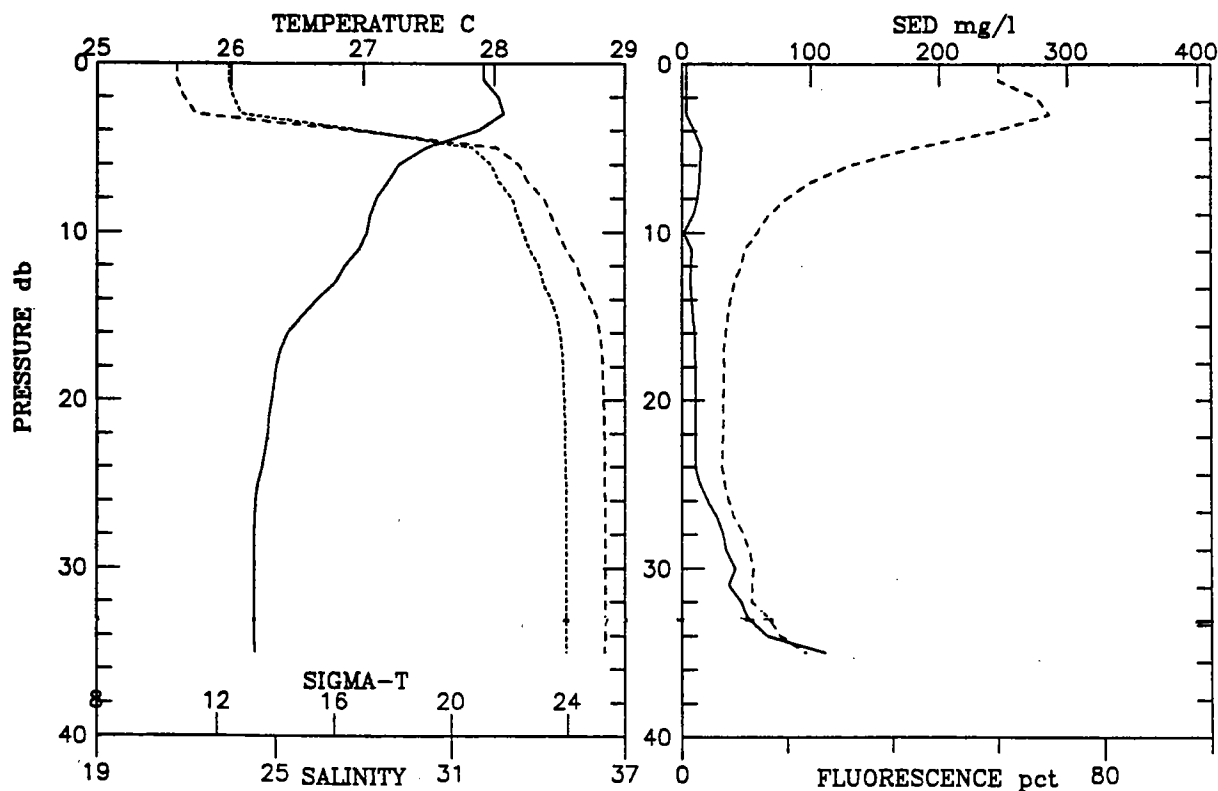
Cruise I9113 Leg 3 Station # 43 Depth m:69 Time: 1991-11-10 07:31  
 Position: 3° 23.86'N 49° 55.02'W Depth Deck Offset: 1.43 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.901	27.574	16.855	0.0000	0.000	76.3	5.2
2.0		28.035	27.686	16.896	0.0216	0.000	90.5	5.2
4.0		27.713	31.438	19.813	0.0415	0.000	76.8	4.7
6.0		27.200	33.276	21.358	0.0558	0.000	30.5	3.9
8.0		27.035	34.402	22.258	0.0676	0.000	20.0	4.6
10.0		27.009	34.937	22.669	0.0784	0.000	13.9	4.2
12.0		27.001	35.544	23.129	0.0883	0.000	10.4	3.8
14.0		26.767	35.906	23.477	0.0975	0.000	9.8	2.5
16.0		26.673	36.137	23.681	0.1062	0.000	9.7	1.5
18.0		26.525	36.157	23.743	0.1146	0.000	9.4	0.9
20.0		26.422	36.200	23.808	0.1229	0.000	9.5	0.9
22.0		26.338	36.229	23.856	0.1311	0.000	9.2	0.5
24.0		26.152	36.218	23.907	0.1392	0.000	9.4	0.1
26.0		26.004	36.271	23.993	0.1472	0.000	8.8	0.6
28.0		25.969	36.287	24.016	0.1551	0.000	8.4	1.0
30.0		25.923	36.295	24.036	0.1629	0.000	8.2	1.0
32.0		25.905	36.299	24.045	0.1707	0.000	7.6	1.3
34.0		25.902	36.302	24.048	0.1785	0.000	7.5	1.5
36.0		25.902	36.302	24.048	0.1872	0.000	6.7	1.6



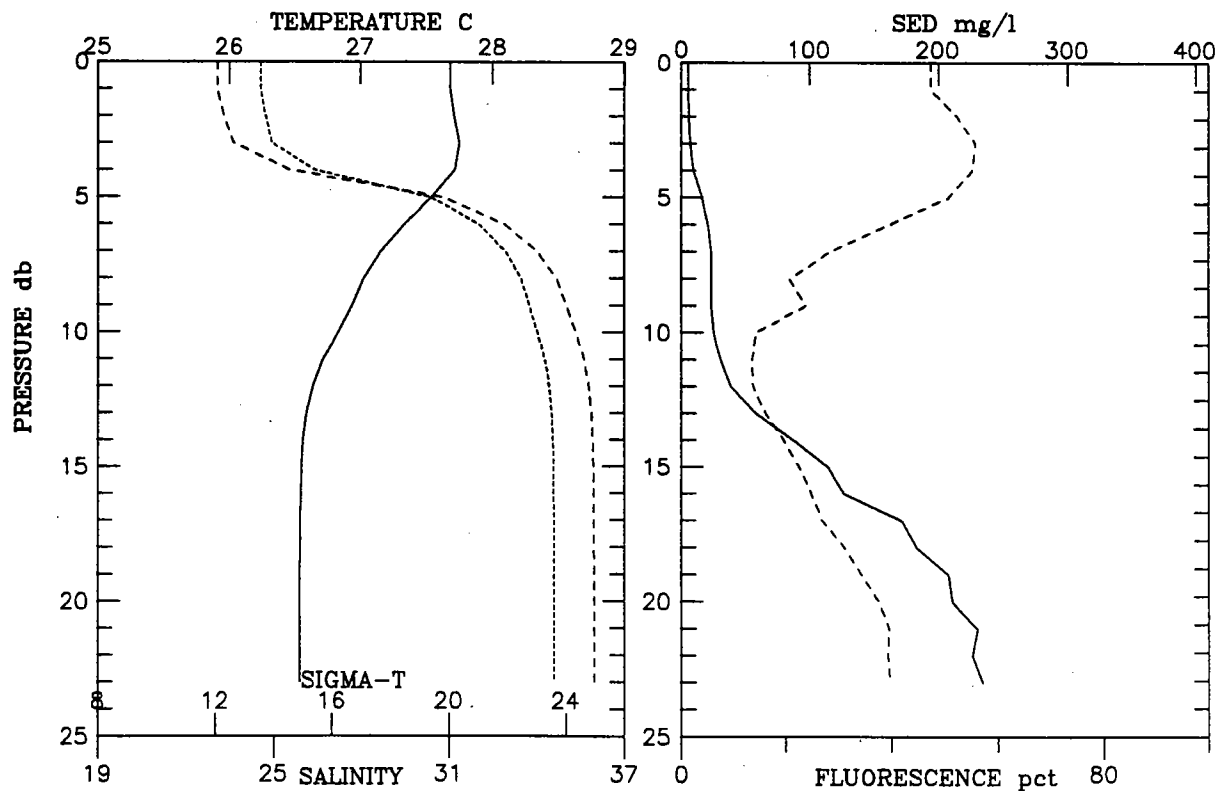
Cruise I9113 Leg 3 Station # 44 Depth m:37 Time: 1991-11-10 08:35  
 Position: 3° 18.78'N 50° 0.81'W Depth Deck Offset: 1.45 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.919	21.649	12.417	0.0000	0.000	60.1	3.1
2.0		28.030	21.880	12.555	0.0301	0.000	67.4	3.2
4.0		27.875	27.706	16.962	0.0577	0.000	59.5	9.3
6.0		27.264	33.324	21.374	0.0733	0.000	31.8	13.9
8.0		27.096	34.191	22.080	0.0856	0.000	19.7	11.6
10.0		27.023	34.688	22.477	0.0967	0.000	14.1	1.2
12.0		26.860	35.334	23.016	0.1071	0.000	11.0	6.5
14.0		26.651	35.813	23.443	0.1165	0.000	9.1	7.1
16.0		26.428	36.129	23.752	0.1251	0.000	8.2	9.5
18.0		26.340	36.220	23.849	0.1333	0.000	7.9	10.4
20.0		26.304	36.255	23.887	0.1415	0.000	7.7	10.5
22.0		26.274	36.277	23.913	0.1495	0.000	7.7	10.5
24.0		26.232	36.290	23.936	0.1575	0.000	7.5	10.3
26.0		26.182	36.304	23.962	0.1655	0.000	8.8	19.9
28.0		26.175	36.306	23.966	0.1735	0.000	11.6	31.5
30.0		26.174	36.306	23.966	0.1814	0.000	13.4	41.2
32.0		26.175	36.306	23.966	0.1894	0.000	13.1	45.6
34.0		26.177	36.304	23.964	0.1973	0.000	18.6	65.8
35.0		26.180	36.300	23.960	0.2013	0.000	23.5	111.2



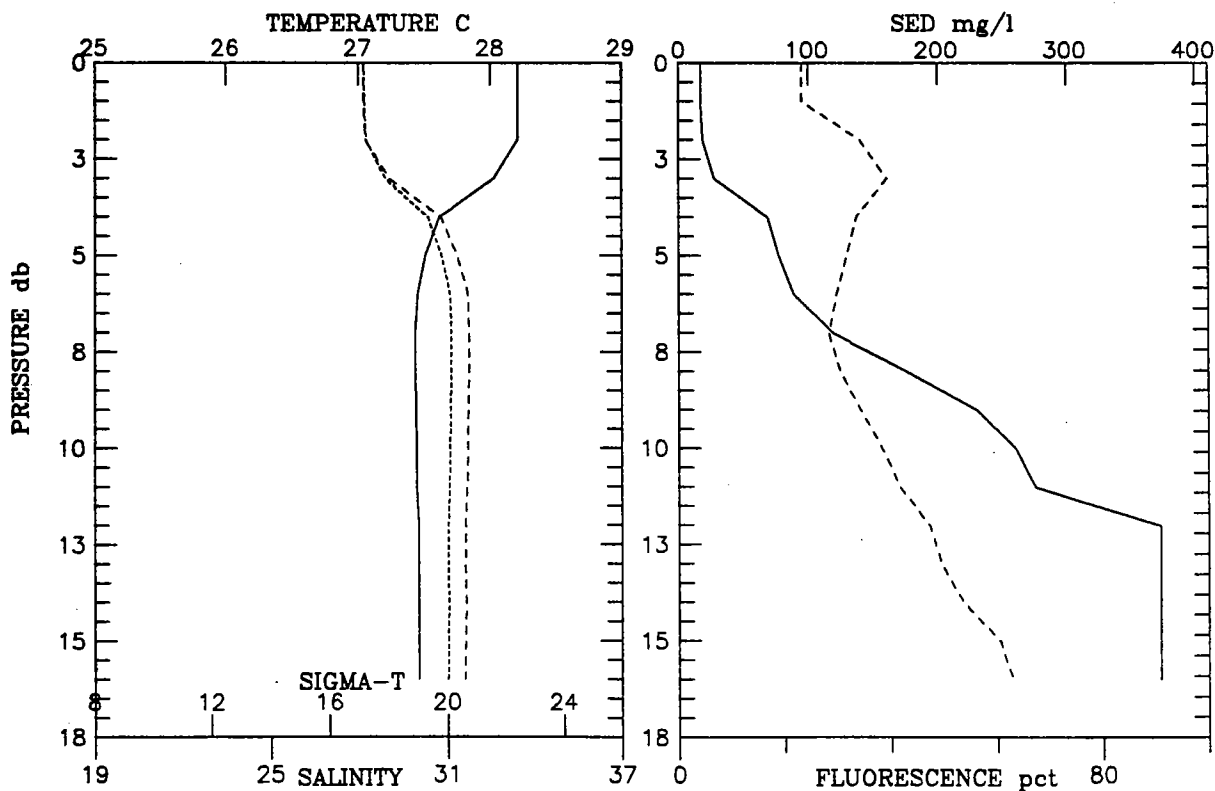
Cruise I9113 Leg 3 Station # 45 Depth m:25 Time: 1991-11-10 10:45  
 Position: 3° 11.74'N 50° 6.38'W Depth Deck Offset: 1.45 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.677	23.085	13.566	0.0000	0.000	47.4	5.0
2.0	27.705	23.319	13.732	0.0279	0.000	52.3	5.5
4.0	27.710	25.599	15.437	0.0545	0.000	55.1	9.1
6.0	27.334	32.897	21.030	0.0723	0.000	39.5	20.9
8.0	27.023	34.672	22.465	0.0843	0.000	20.7	23.3
10.0	26.828	35.331	23.024	0.0946	0.000	14.2	25.4
12.0	26.636	35.778	23.422	0.1039	0.000	13.7	38.3
14.0	26.557	35.917	23.552	0.1127	0.000	19.6	88.0
16.0	26.541	35.939	23.573	0.1214	0.000	24.8	127.2
18.0	26.536	35.949	23.582	0.1301	0.000	31.1	183.3
20.0	26.533	35.952	23.586	0.1387	0.000	37.6	210.5
22.0	26.532	35.952	23.586	0.1474	0.000	39.2	226.0
23.0	26.532	35.952	23.586	0.1517	0.000	39.8	233.8



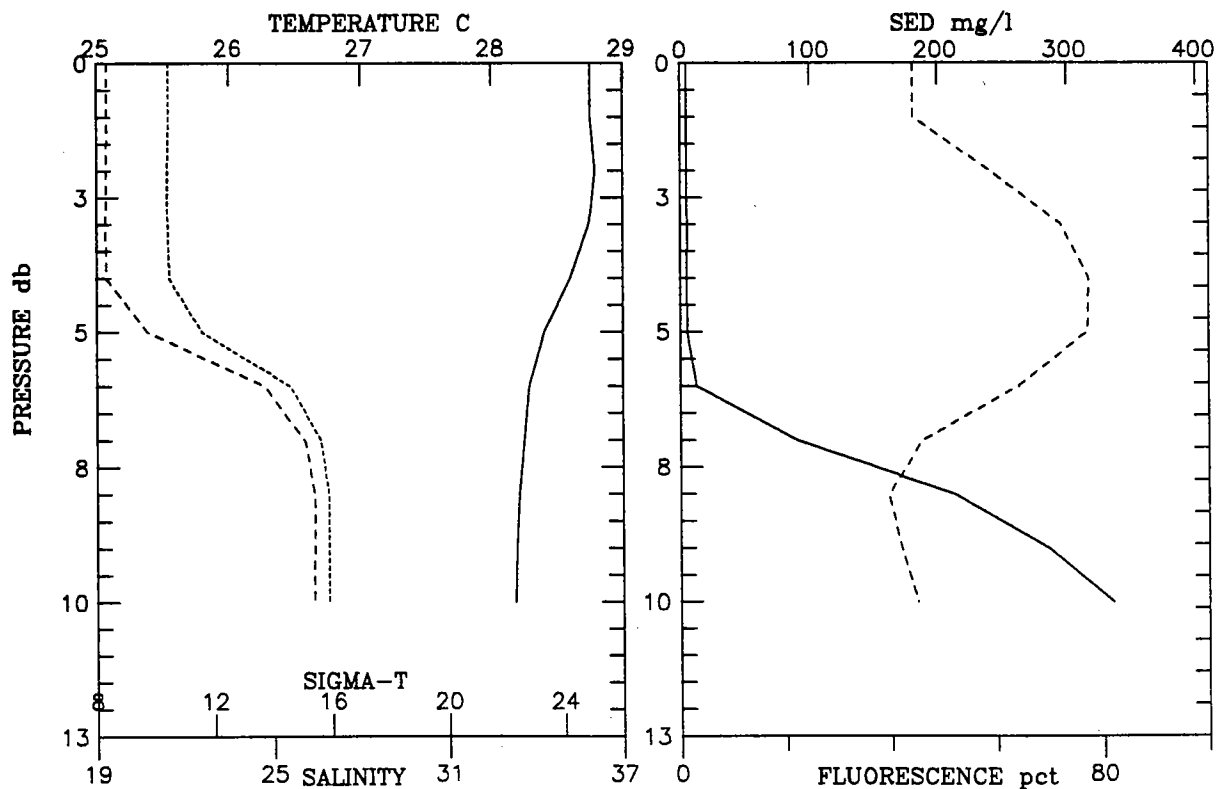
Cruise I9113 Leg 3 Station # 46 Depth m:18 Time: 1991-11-10 13:03  
 Position: 2° 59.84'N 50° 14.91'W Depth Deck Offset: 1.55 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.206	28.167	17.203	0.0000	0.000	23.2	17.3
1.0		28.206	28.167	17.203	0.0105	0.000	23.2	17.3
2.0		28.207	28.236	17.254	0.0209	0.000	34.2	18.8
3.0		28.024	29.050	17.922	0.0310	0.000	39.2	27.7
4.0		27.610	30.800	19.367	0.0400	0.000	33.4	68.9
5.0		27.503	31.361	19.823	0.0482	0.000	31.6	77.5
6.0		27.444	31.712	20.105	0.0560	0.000	29.7	88.8
7.0		27.426	31.749	20.139	0.0636	0.000	28.3	119.1
8.0		27.424	31.752	20.141	0.0712	0.000	30.4	175.7
9.0		27.431	31.717	20.113	0.0789	0.000	34.3	229.8
10.0		27.435	31.704	20.102	0.0865	0.000	38.3	260.1
11.0		27.438	31.672	20.077	0.0942	0.000	41.7	275.7
12.0		27.449	31.617	20.032	0.1019	0.000	47.2	372.7
13.0		27.452	31.609	20.025	0.1097	0.000	49.4	372.7
14.0		27.449	31.637	20.047	0.1174	0.000	53.5	372.7
15.0		27.450	31.612	20.028	0.1251	0.000	60.4	372.7
16.0		27.451	31.602	20.020	0.1329	0.000	62.8	372.7



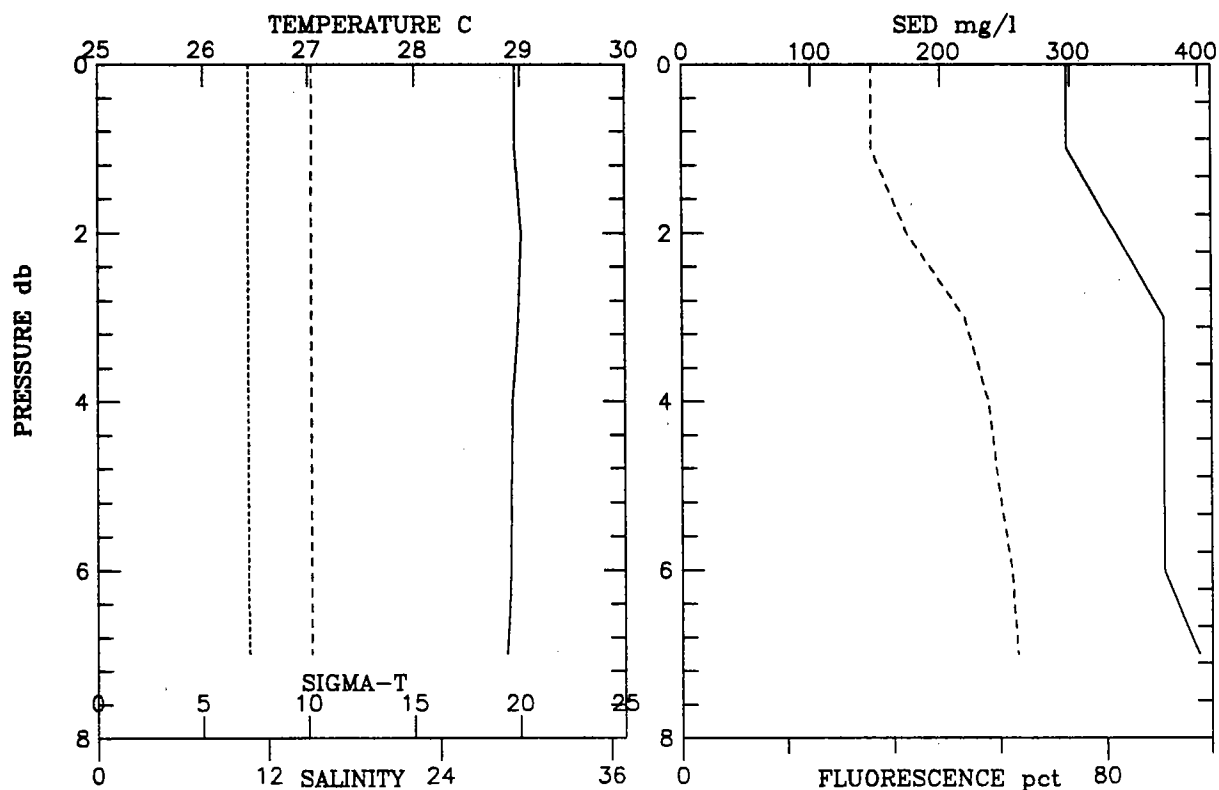
Cruise I9113 Leg 3 Station # 47 Depth m:13 Time: 1991-11-10 15:21  
 Position: 2° 47.67'N 50° 26.49'W Depth Deck Offset: 1.62 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.758	19.359	10.447	0.0000	0.000	44.2	4.8
1.0		28.758	19.359	10.447	0.0170	0.000	44.2	4.8
2.0		28.788	19.327	10.413	0.0341	0.000	58.7	4.9
3.0		28.739	19.314	10.419	0.0511	0.000	72.1	5.1
4.0		28.600	19.324	10.470	0.0682	0.000	77.3	4.8
5.0		28.399	20.737	11.587	0.0846	0.000	77.1	5.2
6.0		28.285	24.715	14.594	0.0991	0.000	64.1	12.3
7.0		28.249	26.072	15.621	0.1115	0.000	45.9	90.0
8.0		28.207	26.400	15.879	0.1234	0.000	39.5	213.2
9.0		28.185	26.395	15.882	0.1351	0.000	41.9	285.5
10.0		28.179	26.381	15.874	0.1469	0.000	45.0	335.2



Cruise I9113 Leg 3 Station # 48 Depth m:9 Time: 1991-11-10 18:46  
 Position: 2° 47.95'N 50° 48.05'W Depth Deck Offset: 1.58 Fish 1

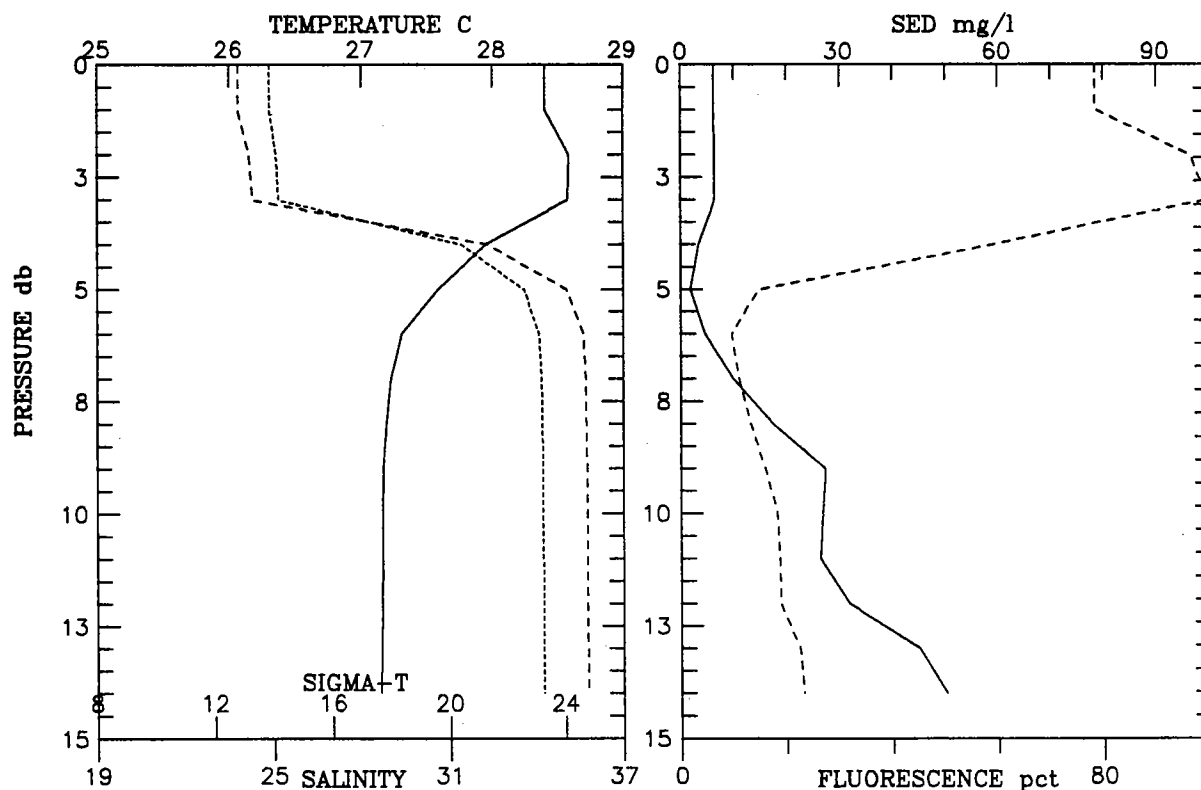
PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.955	15.075	7.194	0.0000	0.000	35.8	297.6
1.0		28.955	15.075	7.194	0.0202	0.000	35.8	297.6
2.0		29.015	15.028	7.141	0.0405	0.000	42.5	335.2
3.0		28.983	15.024	7.148	0.0607	0.000	53.3	372.7
4.0		28.932	15.022	7.162	0.0810	0.000	57.8	372.7
5.0		28.920	15.023	7.167	0.1013	0.000	59.7	372.7
6.0		28.912	15.024	7.170	0.1215	0.000	62.1	372.7
7.0		28.874	15.030	7.186	0.1417	0.000	63.2	400.0





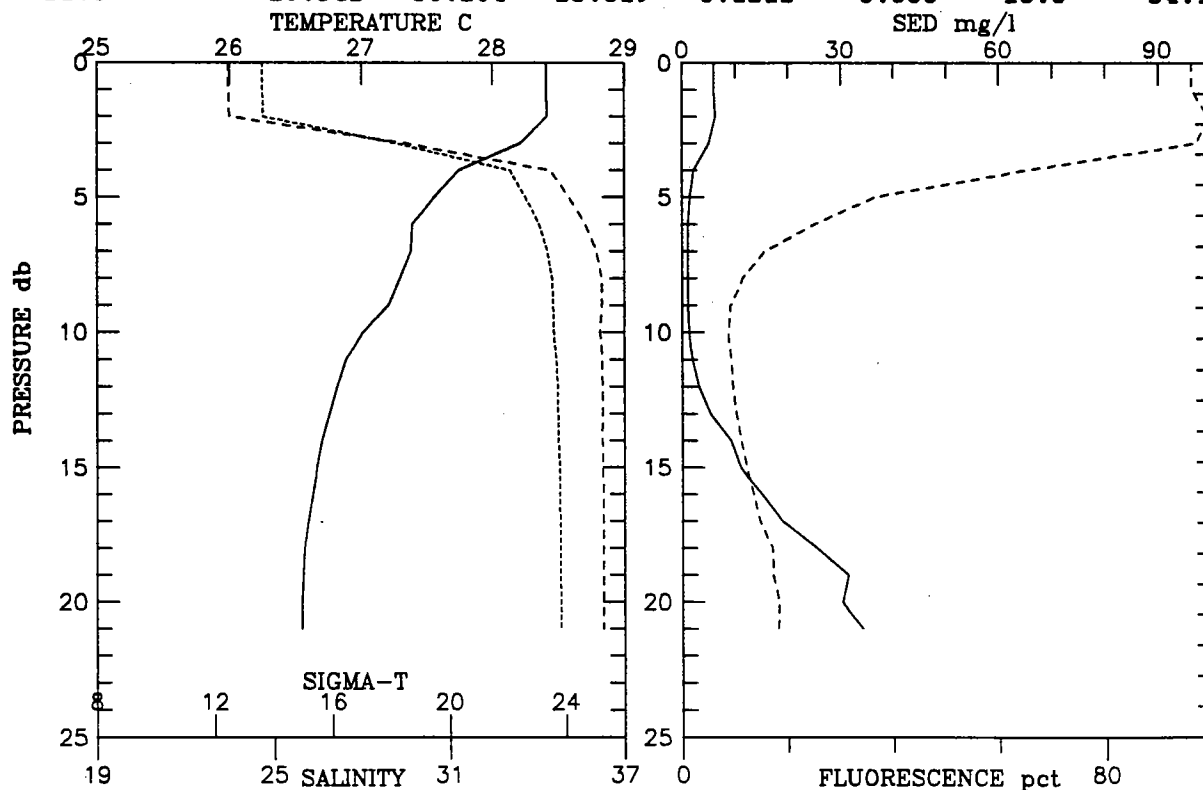
Cruise I9113 Leg 3 Station # 49 Depth m:16 Time: 1991-11-11 02:29  
 Position: 4° 2.98'N 50° 55.89'W Depth Deck Offset: 1.45 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.399	23.803	13.876	0.0000	0.000	78.6
1.0		28.399	23.803	13.876	0.0137	0.000	78.6
2.0		28.586	24.181	14.099	0.0272	0.000	96.5
3.0		28.577	24.289	14.183	0.0407	0.000	99.8
4.0		27.947	32.346	20.420	0.0510	0.000	59.2
5.0		27.580	35.056	22.576	0.0574	0.000	14.7
6.0		27.299	35.621	23.092	0.0624	0.000	9.6
7.0		27.216	35.697	23.176	0.0672	0.000	11.0
8.0		27.185	35.716	23.200	0.0719	0.000	13.2
9.0		27.159	35.737	23.224	0.0766	0.000	15.9
10.0		27.154	35.740	23.228	0.0812	0.000	18.2
11.0		27.154	35.740	23.228	0.0859	0.000	18.6
12.0		27.151	35.743	23.231	0.0906	0.000	18.8
13.0		27.143	35.754	23.242	0.0952	0.000	22.4
14.0		27.142	35.757	23.245	0.0999	0.000	23.1



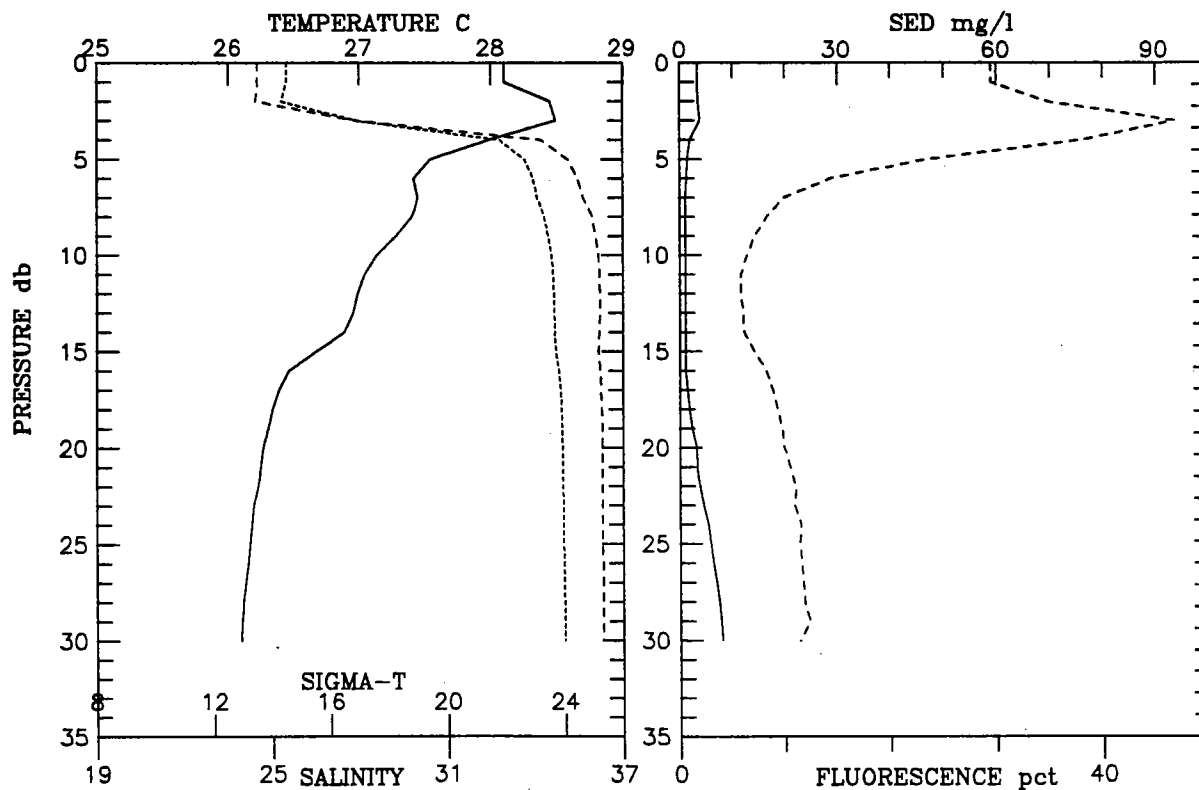
Cruise I9113 Leg 3 Station # 50 Depth m:22 Time: 1991-11-11 04:43  
 Position: 4° 8.75'N 50° 54.00'W Depth Deck Offset: 1.40 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.410	23.466	13.621	0.0000	0.000	96.4	6.0
1.0		28.409	23.466	13.621	0.0139	0.000	96.4	6.0
2.0		28.417	23.494	13.640	0.0278	0.000	99.6	6.3
3.0		28.211	29.483	18.187	0.0396	0.000	97.3	5.1
4.0		27.741	34.490	22.098	0.0472	0.000	65.6	2.1
5.0		27.552	35.114	22.628	0.0527	0.000	36.4	1.4
6.0		27.383	35.666	23.099	0.0577	0.000	25.0	1.1
7.0		27.373	36.045	23.387	0.0623	0.000	15.5	1.0
8.0		27.292	36.215	23.542	0.0668	0.000	11.4	1.0
9.0		27.202	36.218	23.573	0.0711	0.000	9.1	1.0
10.0		27.009	36.168	23.597	0.0755	0.000	8.7	1.3
11.0		26.880	36.227	23.683	0.0797	0.000	9.2	1.9
12.0		26.809	36.240	23.716	0.0840	0.000	9.5	3.1
13.0		26.751	36.239	23.733	0.0882	0.000	10.2	5.3
14.0		26.695	36.236	23.749	0.0923	0.000	11.1	9.2
15.0		26.653	36.256	23.778	0.0965	0.000	12.2	11.0
16.0		26.625	36.259	23.789	0.1006	0.000	13.4	15.0
17.0		26.592	36.263	23.802	0.1048	0.000	14.6	18.9
18.0		26.563	36.264	23.812	0.1089	0.000	16.9	25.4
19.0		26.550	36.261	23.814	0.1130	0.000	17.1	31.3
20.0		26.543	36.267	23.821	0.1171	0.000	18.2	30.3
21.0		26.542	36.264	23.819	0.1212	0.000	18.0	34.1



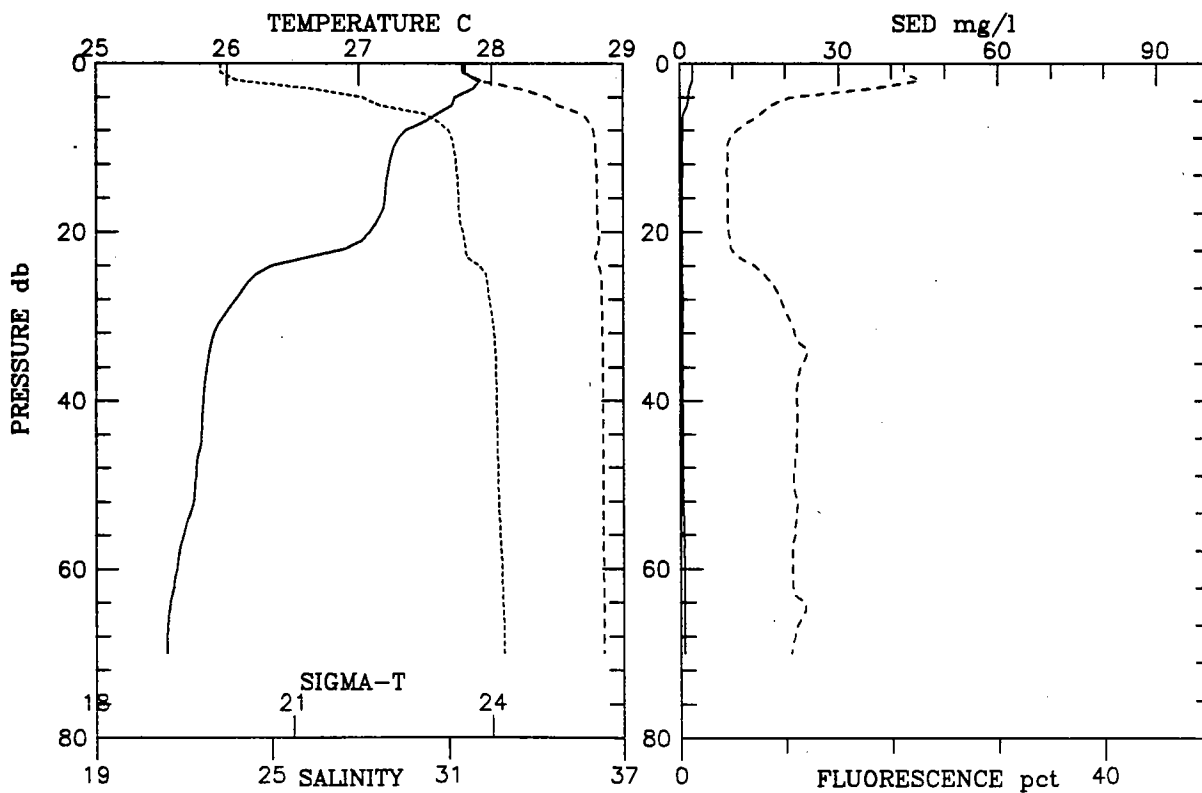
Cruise I9113 Leg 3 Station # 51 Depth m:34 Time: 1991-11-11 06:08  
 Position: 4° 15.22'N 50° 50.30'W Depth Deck Offset: 1.40 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.103	24.509	14.498	0.0000	0.000	29.5	3.3
2.0	28.444	24.448	14.344	0.0262	0.000	34.8	3.4
4.0	27.986	34.205	21.804	0.0466	0.000	38.0	1.9
6.0	27.410	35.446	22.924	0.0573	0.000	14.4	1.3
8.0	27.397	35.953	23.310	0.0669	0.000	8.3	1.1
10.0	27.132	36.146	23.541	0.0759	0.000	6.4	1.0
12.0	26.988	36.192	23.622	0.0845	0.000	5.8	1.0
14.0	26.881	36.180	23.647	0.0931	0.000	6.1	1.0
16.0	26.459	36.201	23.797	0.1015	0.000	8.2	1.1
18.0	26.333	36.257	23.880	0.1097	0.000	9.3	1.7
20.0	26.263	36.260	23.904	0.1177	0.000	9.9	3.1
22.0	26.223	36.269	23.923	0.1258	0.000	11.0	3.7
24.0	26.174	36.276	23.944	0.1338	0.000	11.5	5.3
26.0	26.143	36.278	23.955	0.1417	0.000	11.5	6.3
28.0	26.107	36.281	23.969	0.1497	0.000	11.8	7.3
30.0	26.094	36.286	23.977	0.1576	0.000	11.4	7.9



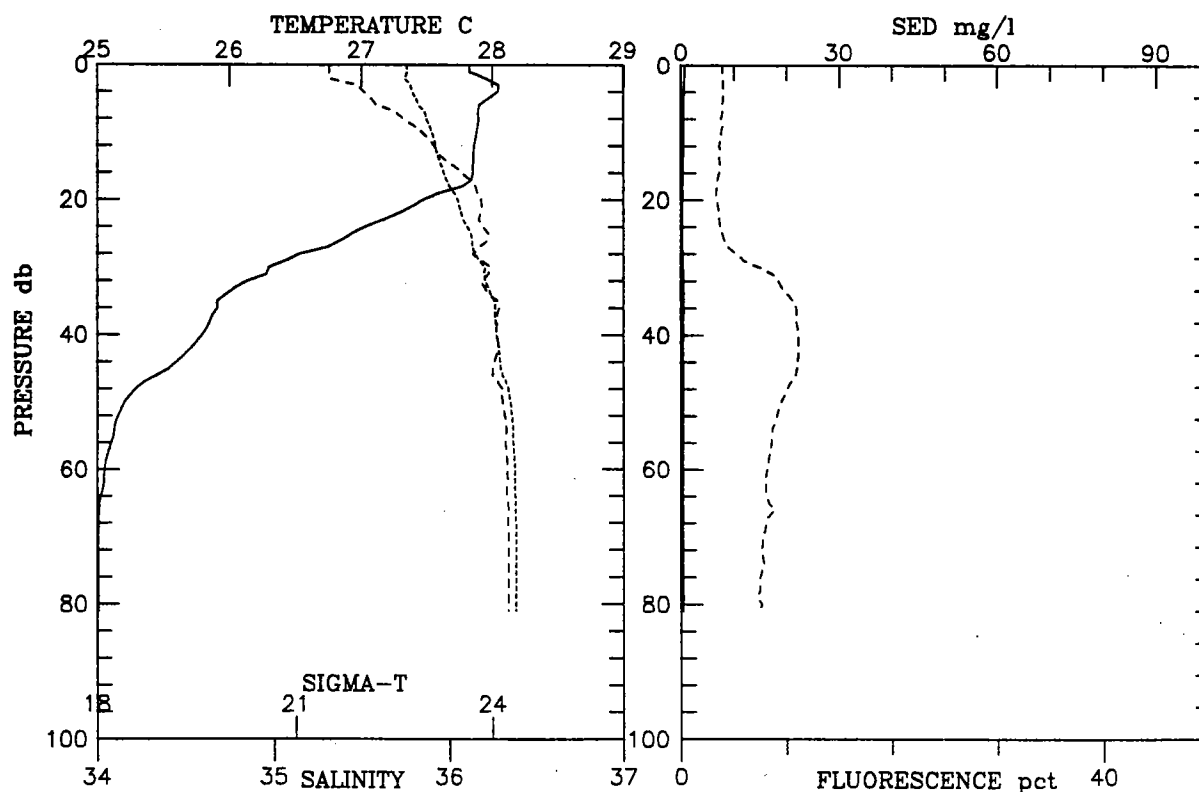
Cruise I9113 Leg 3 Station # 52 Depth m:72 Time: 1991-11-11 08:01  
 Position: 4° 20.21'N 50° 42.57'W Depth Deck Offset: 1.37 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.778	31.586	19.903	0.0000	0.000	21.2	2.4
5.0		27.699	34.770	22.322	0.0345	0.000	8.5	1.4
10.0		27.260	36.049	23.427	0.0581	0.000	4.5	0.3
15.0		27.198	36.102	23.487	0.0803	0.000	4.5	0.3
20.0		27.077	36.145	23.558	0.1024	0.000	4.6	0.3
25.0		26.215	36.245	23.908	0.1236	0.000	7.9	0.3
30.0		25.972	36.266	24.000	0.1436	0.000	10.2	0.3
35.0		25.852	36.288	24.054	0.1631	0.000	11.8	0.3
40.0		25.818	36.292	24.068	0.1826	0.000	11.0	0.3
45.0		25.800	36.292	24.073	0.2020	0.000	11.0	0.4
50.0		25.754	36.292	24.087	0.2213	0.000	10.7	0.4
55.0		25.682	36.299	24.115	0.2406	0.000	10.8	0.5
60.0		25.615	36.305	24.140	0.2598	0.000	10.6	0.6
65.0		25.554	36.308	24.161	0.2789	0.000	11.8	0.7
70.0		25.540	36.314	24.170	0.2979	0.000	10.5	0.7



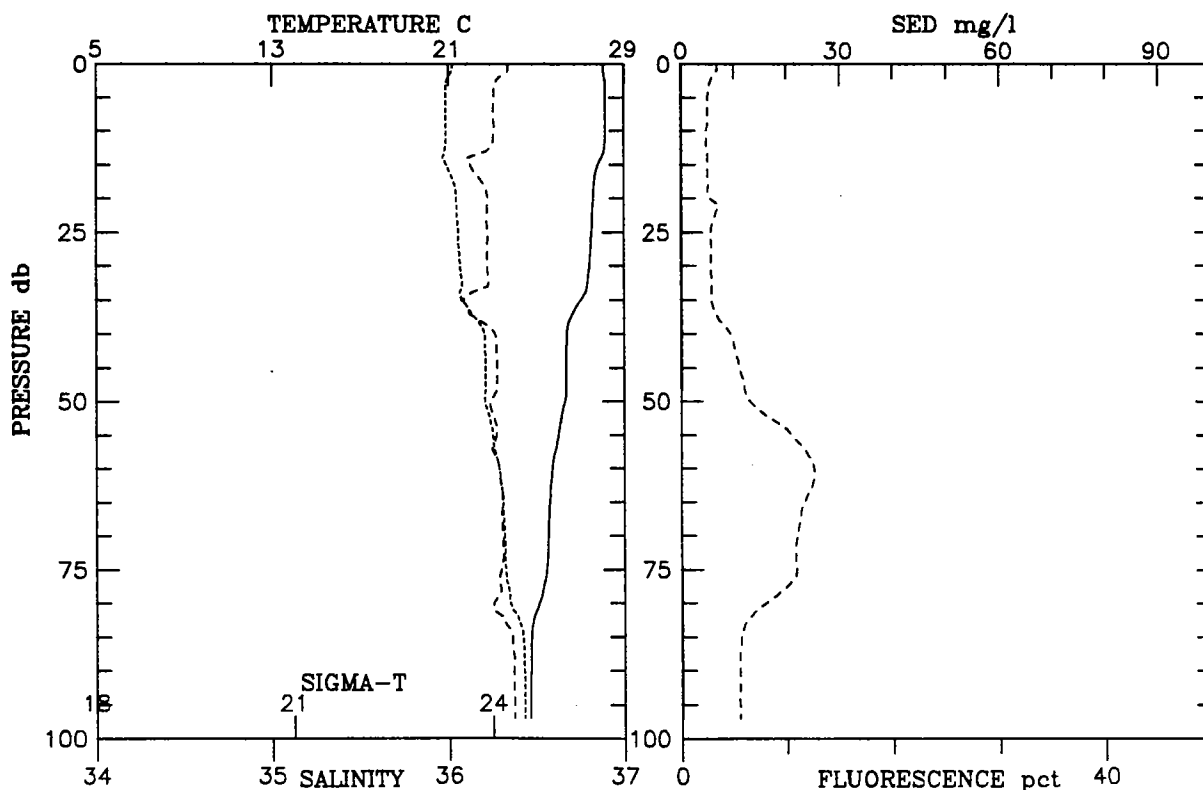
Cruise I9113 Leg 3 Station # 53 Depth m:80 Time: 1991-11-11 09:39  
 Position: 4° 28.87'N 50° 30.72'W Depth Deck Offset: 1.37 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.824	35.313	22.690	0.0000	0.000	3.9
5.0		27.964	35.553	22.825	0.0257	0.000	4.0
10.0		27.876	35.844	23.073	0.0504	0.000	3.8
15.0		27.849	36.029	23.220	0.0741	0.000	3.7
20.0		27.469	36.185	23.462	0.0970	0.000	3.4
25.0		26.920	36.225	23.669	0.1189	0.000	3.9
30.0		26.295	36.239	23.878	0.1398	0.000	7.5
35.0		25.901	36.279	24.032	0.1599	0.000	10.7
40.0		25.791	36.269	24.058	0.1794	0.000	11.1
45.0		25.534	36.250	24.124	0.1987	0.000	10.9
50.0		25.207	36.306	24.267	0.2175	0.000	9.4
55.0		25.121	36.326	24.309	0.2358	0.000	8.5
60.0		25.053	36.334	24.335	0.2541	0.000	8.1
65.0		25.016	36.335	24.348	0.2722	0.000	8.3
70.0		25.008	36.339	24.353	0.2904	0.000	7.7
75.0		25.007	36.339	24.353	0.3085	0.000	7.6
80.0		25.009	36.339	24.353	0.3266	0.000	7.6
81.0		25.009	36.339	24.353	0.3302	0.000	7.3



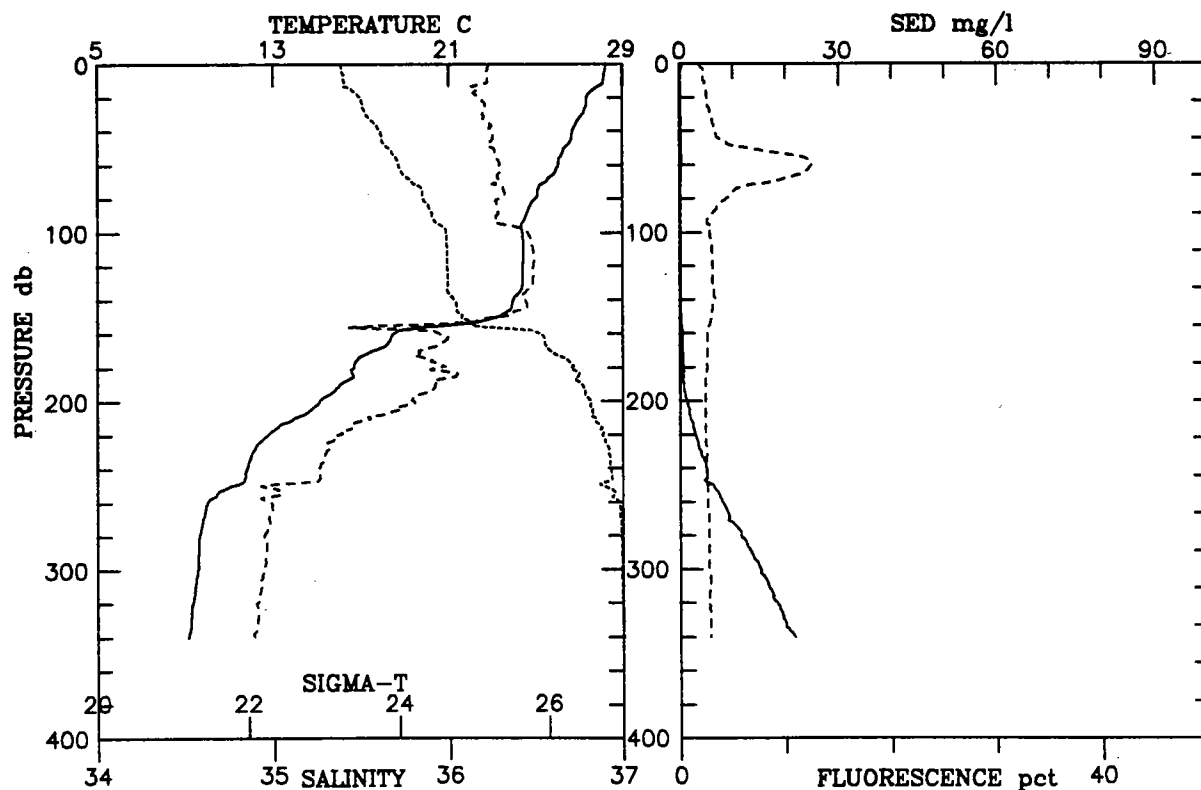
Cruise I9113 Leg 3 Station # 54 Depth m:94 Time: 1991-11-11 11:12  
 Position: 4° 39.69'N 50° 23.07'W Depth Deck Offset: 1.70 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.038	36.339	23.392	0.0000	0.000	3.4	0.1
5.0		28.146	36.260	23.297	0.0228	0.000	2.5	0.1
10.0		28.130	36.258	23.300	0.0458	0.000	2.4	0.1
15.0		27.805	36.126	23.308	0.0689	0.000	2.5	0.1
20.0		27.575	36.223	23.456	0.0914	0.000	2.7	0.1
25.0		27.499	36.222	23.480	0.1137	0.000	2.8	0.1
30.0		27.400	36.220	23.510	0.1358	0.000	2.8	0.1
35.0		26.998	36.078	23.533	0.1578	0.000	2.9	0.1
40.0		26.362	36.263	23.875	0.1788	0.000	4.7	0.1
45.0		26.344	36.274	23.889	0.1991	0.000	5.5	0.1
50.0		26.277	36.230	23.877	0.2194	0.000	6.5	0.0
55.0		25.984	36.270	23.999	0.2394	0.000	10.5	0.0
60.0		25.701	36.285	24.098	0.2590	0.000	12.6	0.0
65.0		25.580	36.305	24.151	0.2782	0.000	11.7	0.0
70.0		25.506	36.306	24.175	0.2972	0.000	11.0	0.0
75.0		25.440	36.297	24.189	0.3161	0.000	10.9	0.1
80.0		25.103	36.253	24.259	0.3349	0.000	8.0	0.1
85.0		24.727	36.357	24.452	0.3529	0.000	5.6	0.1
90.0		24.695	36.365	24.468	0.3705	0.000	5.5	0.1
95.0		24.681	36.368	24.474	0.3881	0.000	5.5	0.1
97.0		24.683	36.368	24.474	0.3952	0.000	5.5	0.1



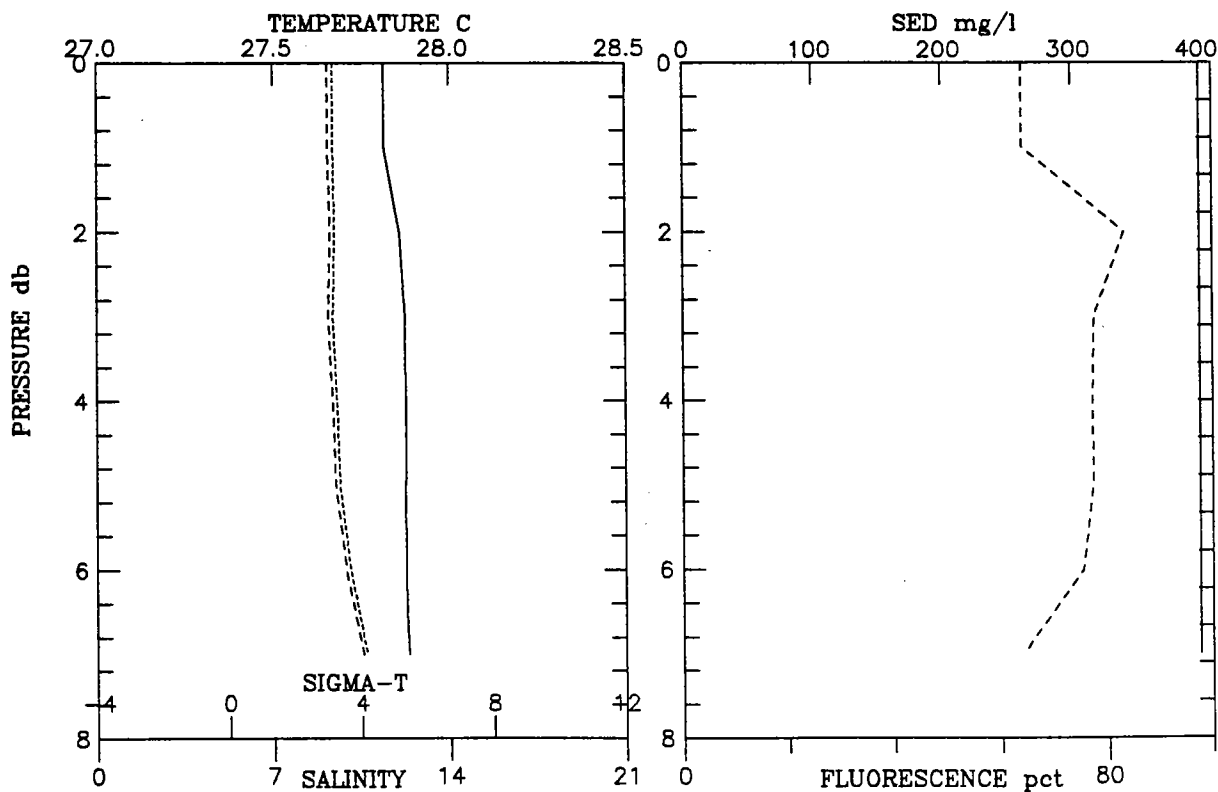
Cruise I9113 Leg 3 Station # 55 Depth m:347 Time: 1991-11-11 13:03  
 Position: 4° 51.57'N 50° 13.40'W Depth Deck Offset: 1.90 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.242	36.230	23.242	0.0000	0.000	1.9
10.0		28.121	36.223	23.277	0.0464	0.000	2.2
20.0		27.358	36.183	23.496	0.0918	0.000	2.6
30.0		27.158	36.195	23.569	0.1356	0.000	2.9
40.0		26.692	36.248	23.759	0.1782	0.000	3.3
50.0		26.314	36.255	23.884	0.2197	0.000	6.4
60.0		26.032	36.288	23.997	0.2597	0.000	12.5
70.0		25.446	36.282	24.175	0.2986	0.000	9.0
80.0		24.970	36.283	24.322	0.3354	0.000	4.4
100.0		24.380	36.455	24.631	0.4058	0.000	2.8
150.0		23.216	36.267	24.834	0.5727	0.000	2.9
200.0		15.059	35.805	26.581	0.6741	0.000	2.4
250.0		11.128	34.930	26.698	0.7435	0.000	2.6
300.0		9.580	34.948	26.983	0.8027	0.000	2.7
							15.1



Cruise I9113 Leg 4 Station # 7 Depth m:9 Time: 1991-11-16 01:42  
 Position: 1° 0.07'N 49° 0.00'W Depth Deck Offset: 1.37 Fish 1

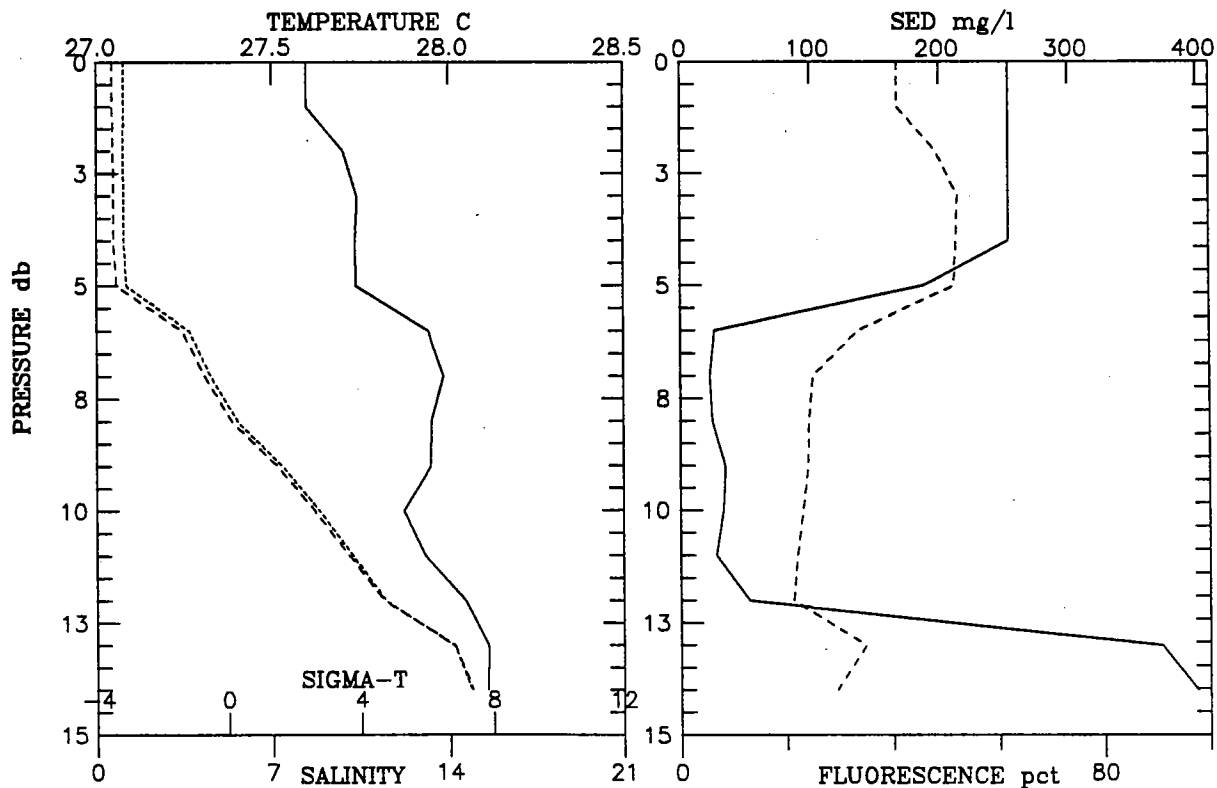
PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.817	9.202	3.165	0.0000	0.000	64.0	400.0
1.0	27.816	9.202	3.165	0.0242	0.000	64.0	400.0
2.0	27.860	9.282	3.212	0.0484	0.000	83.1	400.0
3.0	27.875	9.204	3.149	0.0726	0.000	77.4	400.0
4.0	27.876	9.368	3.271	0.0968	0.000	77.1	400.0
5.0	27.876	9.482	3.356	0.1208	0.000	77.2	400.0
6.0	27.877	9.900	3.667	0.1447	0.000	75.2	400.0
7.0	27.884	10.573	4.167	0.1682	0.000	64.0	400.0





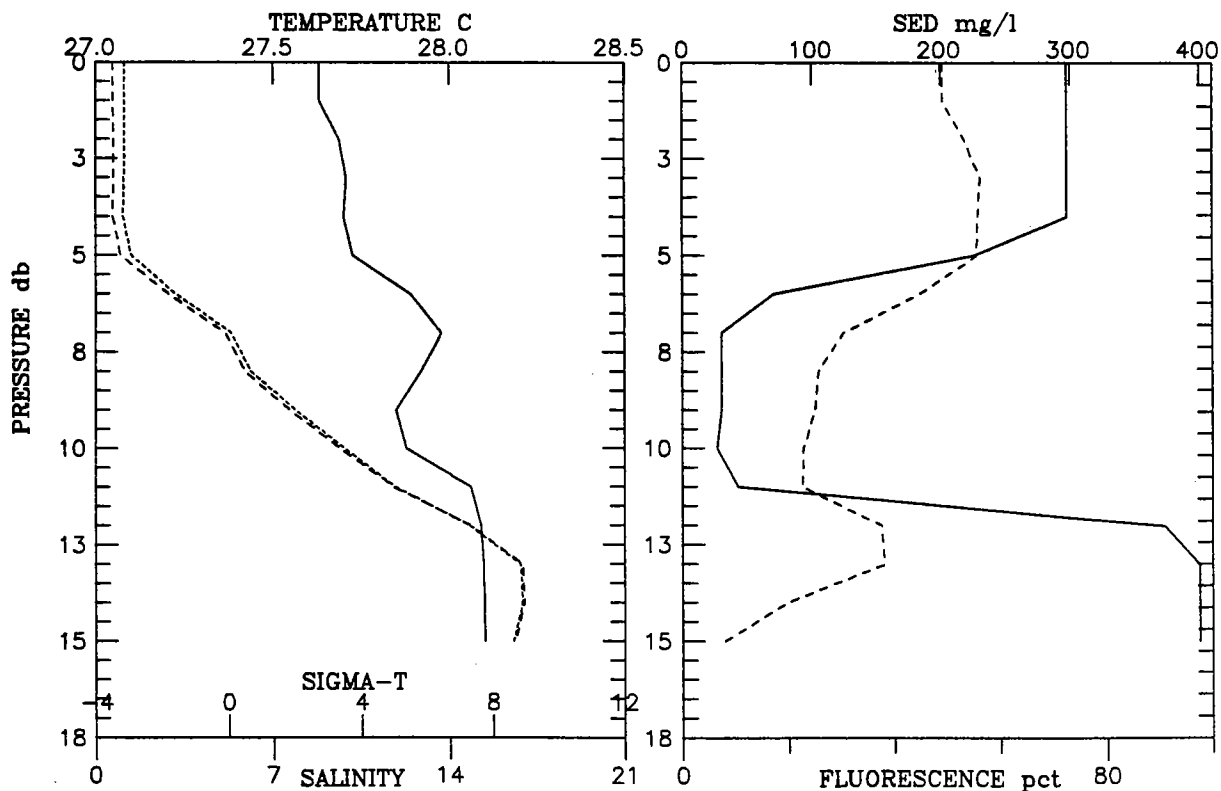
Cruise I9113 Leg 4 Station # 12 Depth m:16 Time: 1991-11-16 07:59  
 Position: 1° 14.99'N 49° 28.98'W Depth Deck Offset: 1.37 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.598	0.650	-3.160	0.0000	0.000	40.9	253.7
1.0	27.598	0.650	-3.160	0.0305	0.000	40.9	253.7
2.0	27.703	0.660	-3.182	0.0611	0.000	48.2	253.7
3.0	27.740	0.700	-3.163	0.0916	0.000	52.3	253.7
4.0	27.735	0.693	-3.167	0.1222	0.000	52.0	253.7
5.0	27.736	0.808	-3.081	0.1527	0.000	51.6	188.5
6.0	27.942	3.431	-1.176	0.1822	0.000	33.4	25.9
7.0	27.983	4.319	-0.525	0.2104	0.000	25.0	22.8
8.0	27.949	5.392	0.286	0.2379	0.000	24.2	24.7
9.0	27.948	7.202	1.636	0.2643	0.000	24.1	34.4
10.0	27.871	8.672	2.754	0.2895	0.000	23.1	33.0
11.0	27.931	10.043	3.758	0.3136	0.000	22.0	27.7
12.0	28.046	11.425	4.753	0.3367	0.000	21.3	53.0
13.0	28.110	14.210	6.809	0.3583	0.000	34.8	372.7
14.0	28.108	14.915	7.335	0.3787	0.000	29.4	400.0



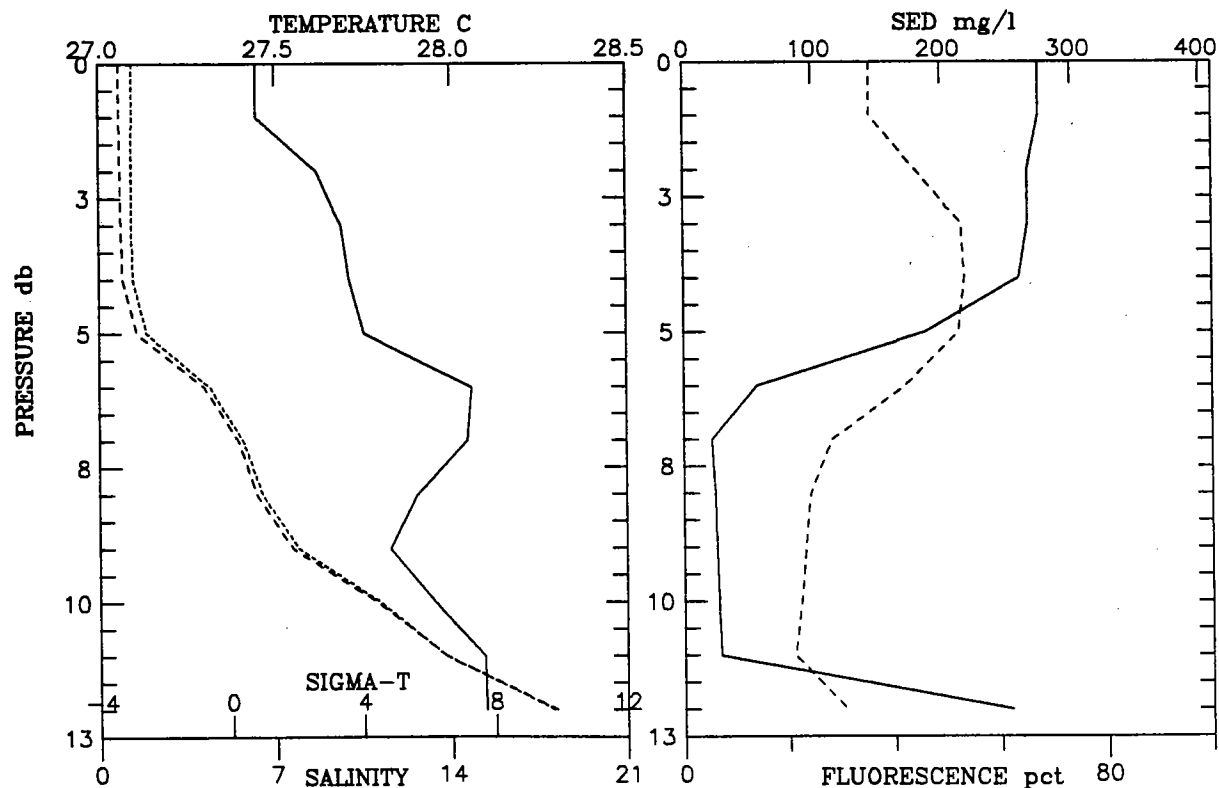
Cruise I9113 Leg 4 Station # 13.01 Depth m:15 Time: 1991-11-16 08:42  
 Position: 1° 14.99'N 49° 29.09'W Depth Deck Offset: 1.33 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.631	0.701	-3.131	0.0000	0.000	49.2	297.6
1.0		27.631	0.701	-3.131	0.0305	0.000	49.2	297.6
2.0		27.687	0.719	-3.134	0.0610	0.000	53.3	297.6
3.0		27.708	0.724	-3.136	0.0915	0.000	56.3	297.6
4.0		27.700	0.692	-3.158	0.1220	0.000	55.8	297.6
5.0		27.726	1.018	-2.920	0.1525	0.000	55.6	226.0
6.0		27.890	2.868	-1.582	0.1821	0.000	44.7	70.3
7.0		27.977	5.119	0.074	0.2102	0.000	30.4	30.0
8.0		27.920	5.895	0.669	0.2372	0.000	25.6	30.3
9.0		27.847	7.670	2.014	0.2632	0.000	25.0	30.1
10.0		27.878	9.666	3.493	0.2879	0.000	22.8	26.9
11.0		28.060	11.794	5.024	0.3110	0.000	22.6	42.8
12.0		28.090	14.844	7.287	0.3322	0.000	37.6	372.7
13.0		28.098	16.919	8.832	0.3516	0.000	38.1	400.0
14.0		28.100	16.998	8.890	0.3702	0.000	19.6	400.0
15.0		28.101	16.633	8.618	0.3889	0.000	7.9	400.0



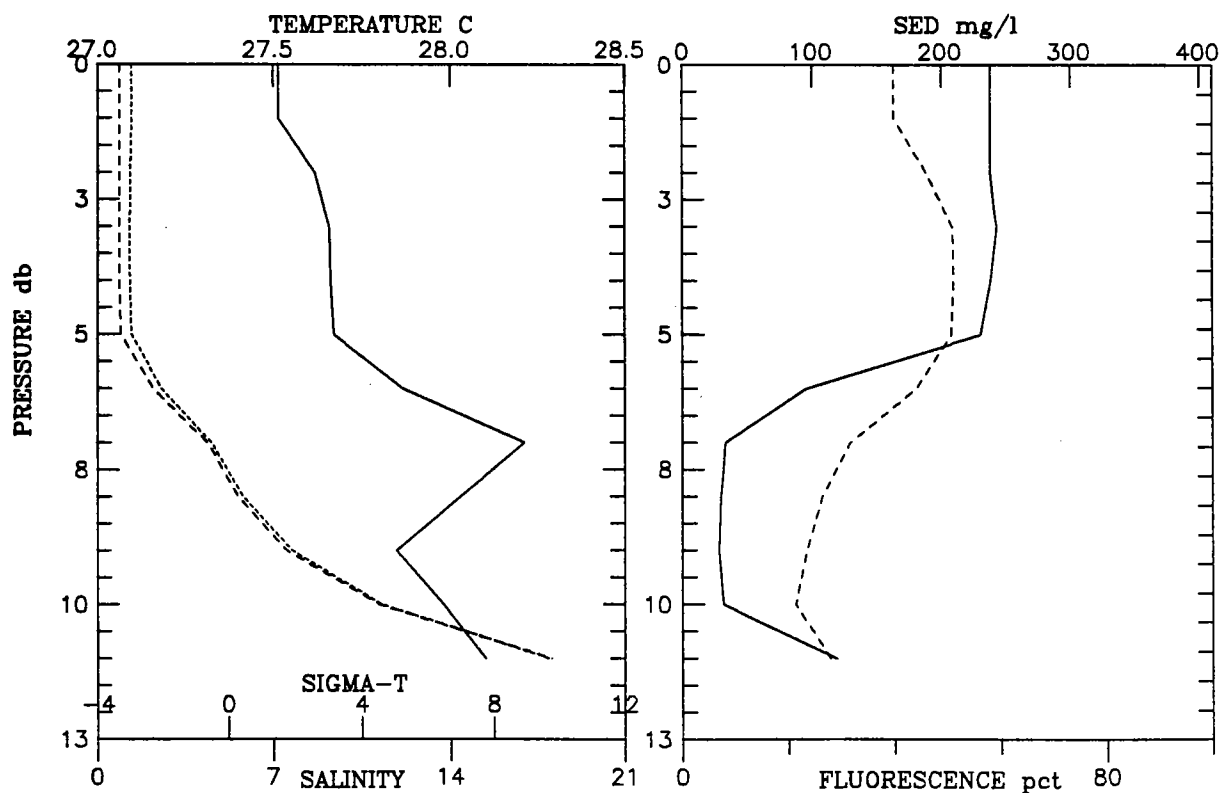
Cruise I9113 Leg 4 Station # 13.02 Depth m:16 Time: 1991-11-16 09:54  
 Position: 1° 14.95'N 49° 29.10'W Depth Deck Offset: 1.23 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.448	0.815	-2.994	0.0000	0.000	35.5	275.7
1.0		27.447	0.815	-2.994	0.0304	0.000	35.5	275.7
2.0		27.620	0.865	-3.005	0.0607	0.000	44.1	267.3
3.0		27.691	0.884	-3.011	0.0911	0.000	52.7	267.3
4.0		27.712	0.943	-2.972	0.1215	0.000	53.3	260.1
5.0		27.753	1.510	-2.559	0.1516	0.000	52.1	188.5
6.0		28.059	4.182	-0.649	0.1806	0.000	42.1	56.9
7.0		28.046	5.529	0.359	0.2081	0.000	28.2	21.8
8.0		27.905	6.244	0.934	0.2348	0.000	24.1	24.1
9.0		27.826	7.684	2.031	0.2607	0.000	23.1	24.9
10.0		27.956	11.077	4.521	0.2848	0.000	22.3	26.7
11.0		28.093	13.807	6.514	0.3067	0.000	21.0	27.9
12.0		28.098	18.189	9.779	0.3260	0.000	30.8	253.7



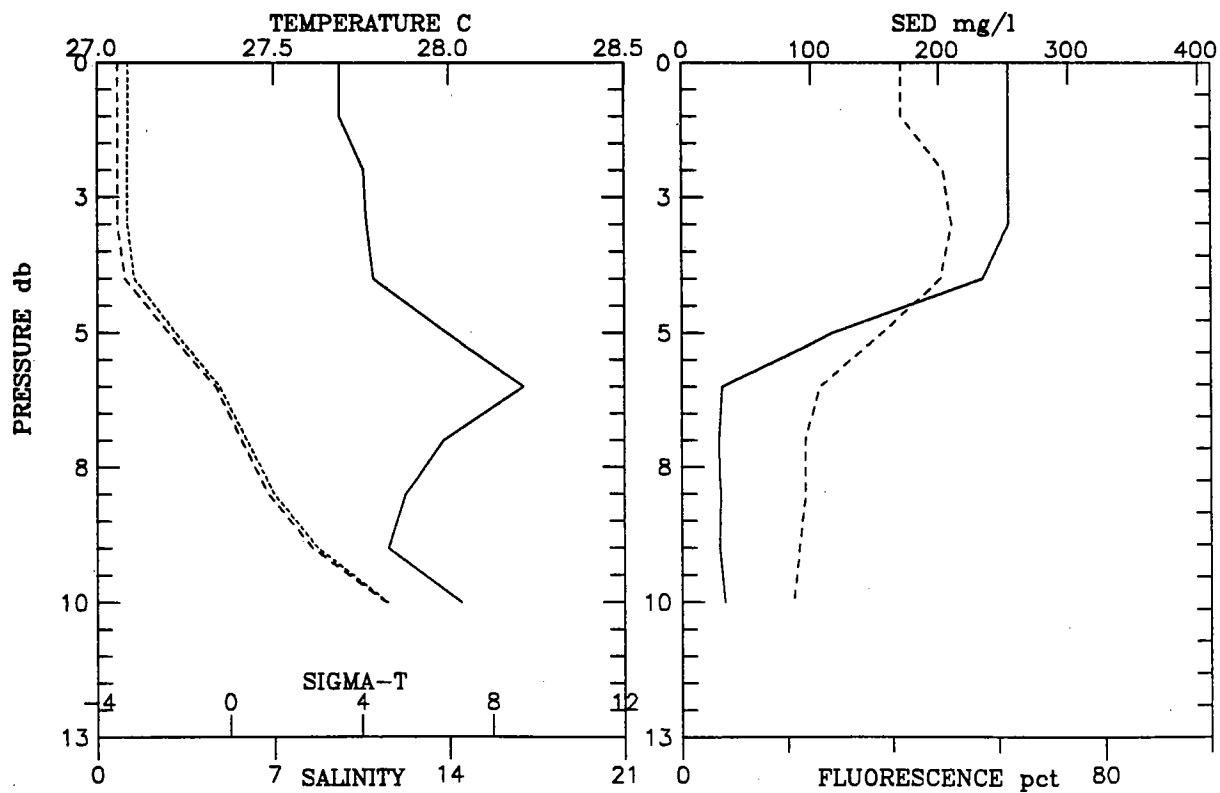
Cruise I9113 Leg 4 Station # 13.03 Depth m:16 Time: 1991-11-16 10:51  
 Position: 1° 14.99'N 49° 29.07'W Depth Deck Offset: 1.30 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.515	0.893	-2.955	0.0000	0.000	39.9	238.1
1.0		27.515	0.893	-2.954	0.0303	0.000	39.9	238.1
2.0		27.619	0.889	-2.987	0.0607	0.000	46.0	238.1
3.0		27.659	0.887	-3.000	0.0910	0.000	50.9	242.8
4.0		27.663	0.893	-2.996	0.1214	0.000	51.0	238.1
5.0		27.671	0.955	-2.952	0.1518	0.000	50.6	229.8
6.0		27.866	2.257	-2.032	0.1816	0.000	43.9	95.2
7.0		28.213	4.430	-0.509	0.2103	0.000	31.5	33.2
8.0		28.028	5.633	0.442	0.2377	0.000	26.3	29.8
9.0		27.847	7.539	1.916	0.2639	0.000	23.4	28.3
10.0		27.981	11.202	4.606	0.2880	0.000	21.3	31.6
11.0		28.100	18.070	9.690	0.3083	0.000	27.9	119.1



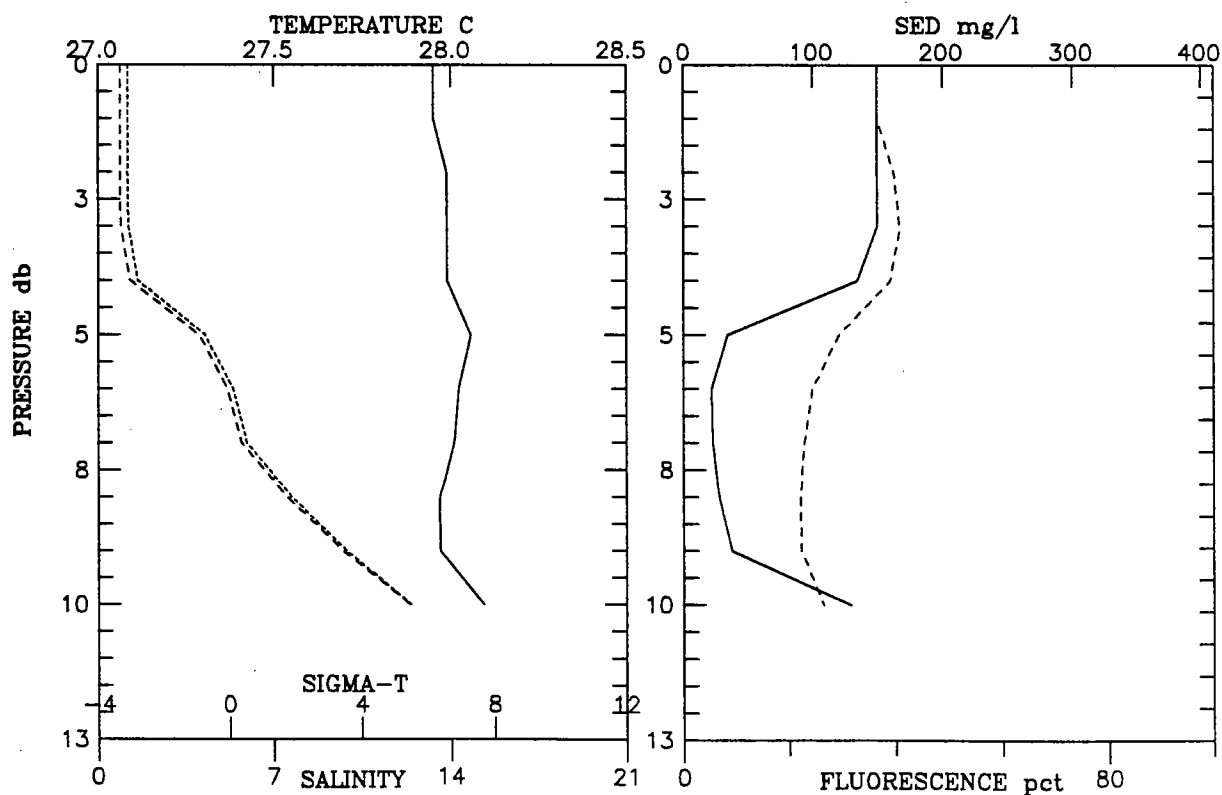
Cruise I9113 Leg 4 Station # 13.04 Depth m:16 Time: 1991-11-16 11:53  
 Position: 1° 14.99'N 49° 29.03'W Depth Deck Offset: 1.30 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.688	0.808	-3.067	0.0000	0.000	41.7	253.7
1.0		27.688	0.808	-3.067	0.0304	0.000	41.7	253.7
2.0		27.758	0.807	-3.088	0.0609	0.000	49.6	253.7
3.0		27.766	0.819	-3.081	0.0914	0.000	51.2	253.7
4.0		27.784	1.102	-2.874	0.1217	0.000	49.1	233.8
5.0		27.995	2.850	-1.625	0.1513	0.000	38.0	117.2
6.0		28.214	4.712	-0.299	0.1797	0.000	26.1	31.2
7.0		27.984	5.733	0.530	0.2069	0.000	23.3	28.5
8.0		27.874	6.790	1.350	0.2333	0.000	23.4	30.2
9.0		27.827	8.544	2.671	0.2587	0.000	22.2	28.9
10.0		28.035	11.475	4.794	0.2824	0.000	21.1	33.2



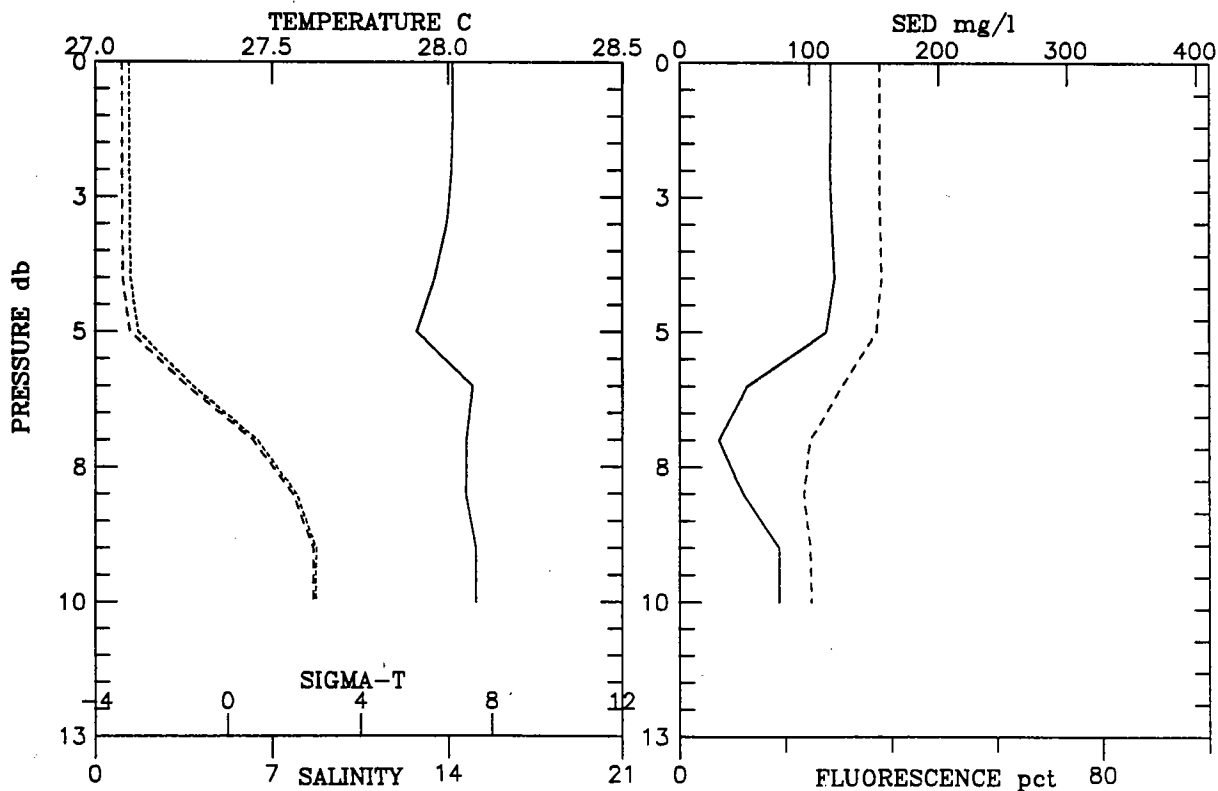
Cruise I9113 Leg 4 Station # 13.05 Depth m:15.5 Time: 1991-11-16 12:54  
 Position: 1° 15.03'N 49° 29.01'W Depth Deck Offset: 1.27 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.951	0.889	-3.081	0.0000	0.000	36.6	150.1
1.0	27.951	0.889	-3.081	0.0305	0.000	36.6	150.1
2.0	27.989	0.883	-3.096	0.0609	0.000	39.7	150.1
3.0	27.991	0.917	-3.071	0.0914	0.000	40.8	150.1
4.0	27.989	1.287	-2.793	0.1217	0.000	39.0	134.7
5.0	28.057	4.035	-0.758	0.1508	0.000	29.3	34.2
6.0	28.023	5.161	0.092	0.1785	0.000	24.4	21.8
7.0	28.010	5.715	0.509	0.2056	0.000	22.9	22.7
8.0	27.968	7.536	1.879	0.2318	0.000	22.1	27.5
9.0	27.970	9.768	3.541	0.2564	0.000	22.3	37.7
10.0	28.094	12.411	5.473	0.2793	0.000	26.5	129.6



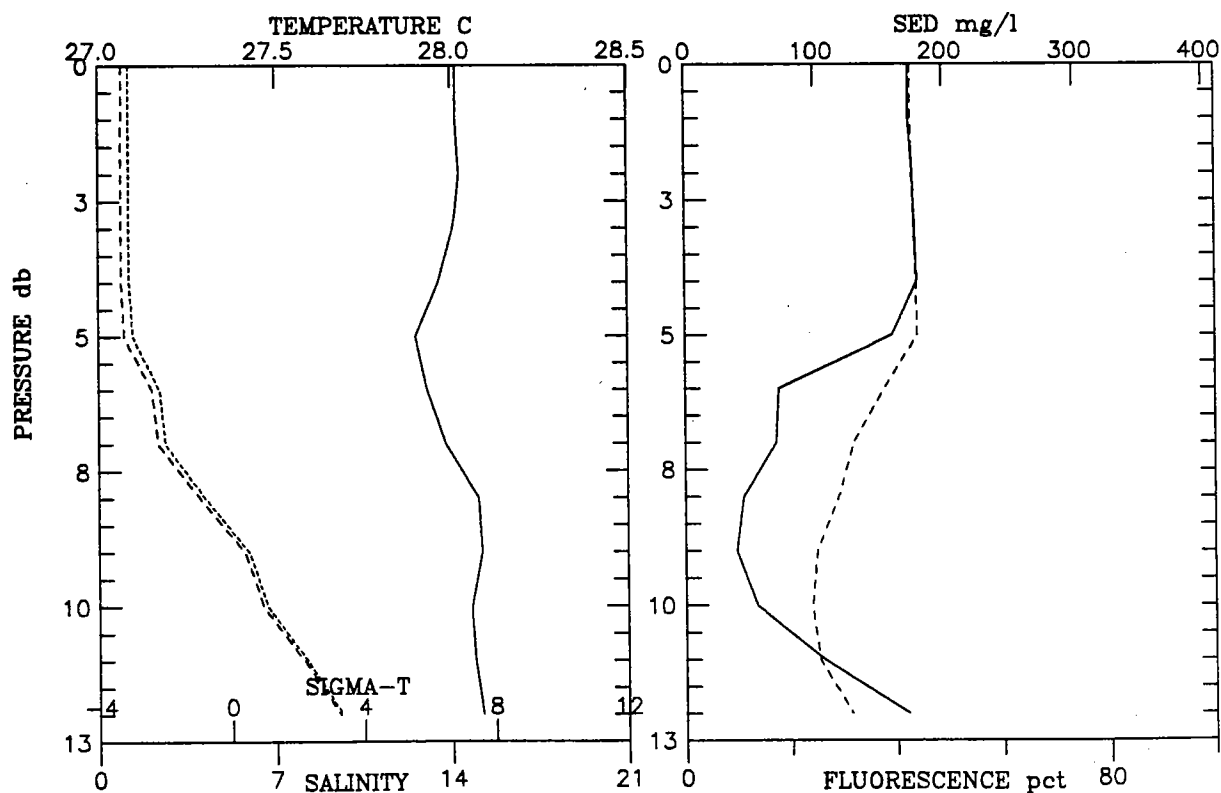
Cruise I9113 Leg 4 Station # 13.06 Depth m:15 Time: 1991-11-16 13:53  
 Position: 1° 15.01'N 49° 29.03'W Depth Deck Offset: 1.35 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.013	1.068	-2.964	0.0000	0.000	37.7	116.7
1.0		28.013	1.068	-2.964	0.0303	0.000	37.7	116.7
2.0		28.009	1.068	-2.963	0.0607	0.000	37.6	116.2
3.0		27.996	1.085	-2.947	0.0910	0.000	37.8	117.6
4.0		27.961	1.094	-2.930	0.1213	0.000	38.0	119.6
5.0		27.909	1.394	-2.690	0.1515	0.000	37.0	113.0
6.0		28.069	3.649	-1.050	0.1807	0.000	30.5	52.0
7.0		28.052	6.243	0.890	0.2082	0.000	24.5	30.3
8.0		28.051	7.831	2.074	0.2341	0.000	23.4	49.0
9.0		28.079	8.636	2.666	0.2591	0.000	24.6	76.8
10.0		28.080	8.629	2.660	0.2838	0.000	24.8	77.0



Cruise I9113 Leg 4 Station # 13.07 Depth m:14.5 Time: 1991-11-16 14:54  
 Position: 1° 15.01'N 49° 29.01'W Depth Deck Offset: 1.30 Fish 1

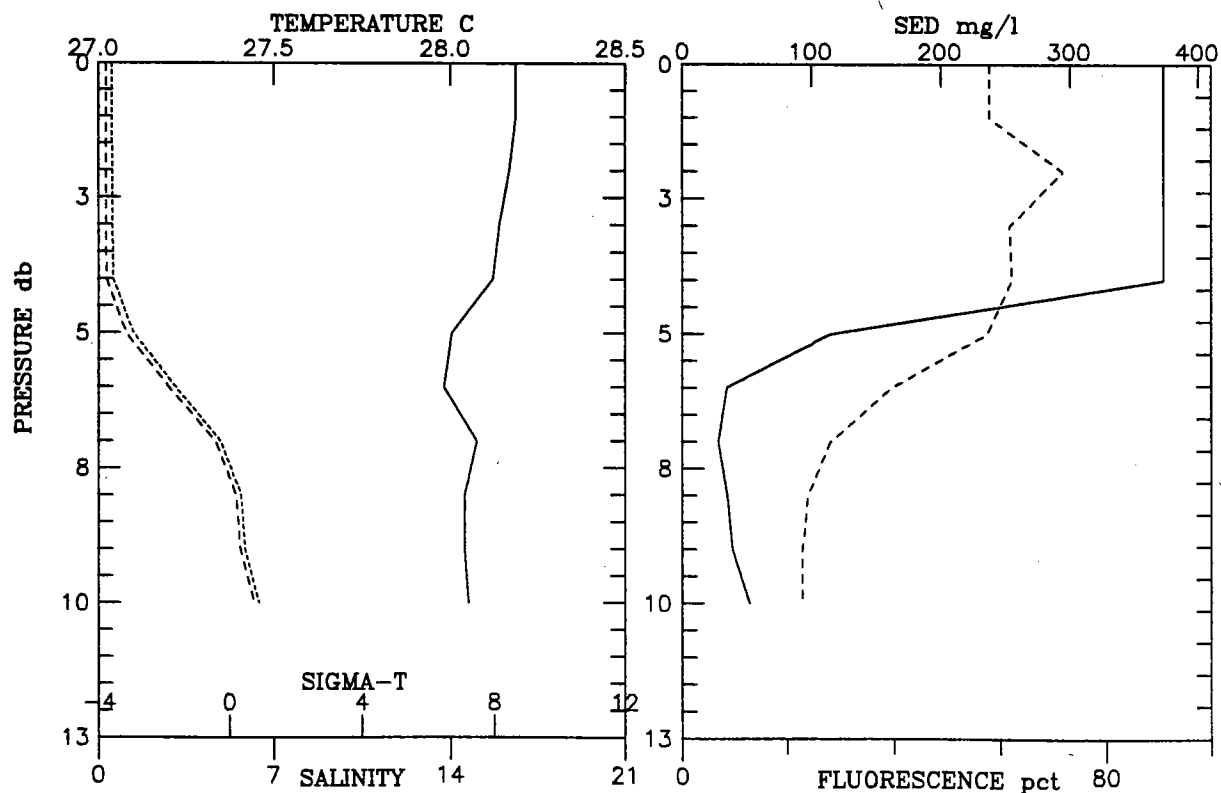
PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.015	0.936	-3.064	0.0000	0.000	42.9	174.3
1.0		28.014	0.936	-3.064	0.0304	0.000	42.9	174.3
2.0		28.025	0.929	-3.072	0.0609	0.000	43.1	177.1
3.0		28.007	0.923	-3.071	0.0913	0.000	43.5	178.6
4.0		27.964	0.922	-3.060	0.1218	0.000	43.8	180.1
5.0		27.898	1.031	-2.959	0.1522	0.000	44.0	160.8
6.0		27.931	2.113	-2.158	0.1821	0.000	37.7	72.4
7.0		27.985	2.357	-1.991	0.2115	0.000	31.9	70.5
8.0		28.077	4.008	-0.784	0.2403	0.000	29.0	44.9
9.0		28.087	5.773	0.529	0.2678	0.000	24.9	39.7
10.0		28.057	6.499	1.079	0.2944	0.000	23.9	55.1
11.0		28.066	8.118	2.283	0.3200	0.000	25.3	107.4
12.0		28.089	9.546	3.341	0.3446	0.000	31.4	172.9





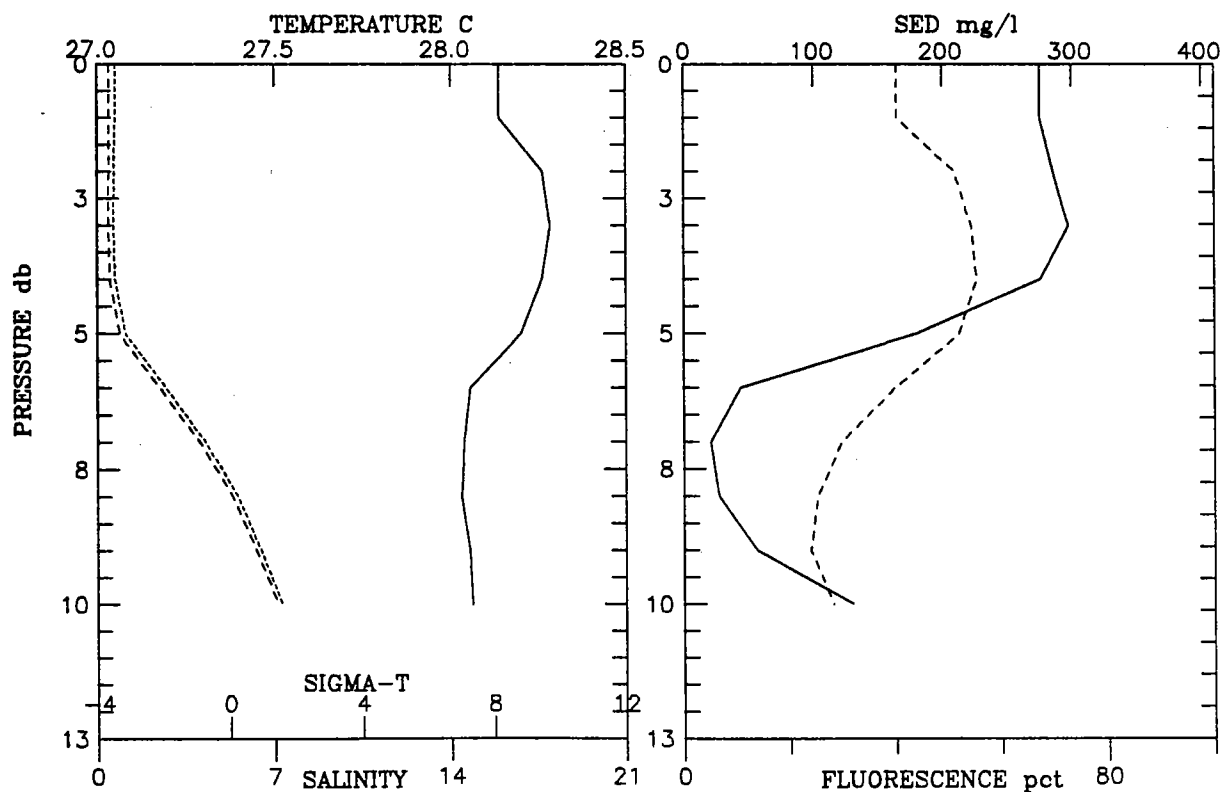
Cruise I9113 Leg 4 Station # 13.08 Depth m:14.5 Time: 1991-11-16 16:02  
 Position: 1° 15.06'N 49° 28.98'W Depth Deck Offset: 1.45 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.187	0.312	-3.582	0.0000	0.000	57.9	372.7
1.0	28.187	0.312	-3.582	0.0310	0.000	57.9	372.7
2.0	28.168	0.313	-3.575	0.0619	0.000	71.8	372.7
3.0	28.138	0.316	-3.565	0.0929	0.000	61.7	372.7
4.0	28.120	0.329	-3.550	0.1238	0.000	62.1	372.7
5.0	28.004	1.105	-2.934	0.1544	0.000	57.4	114.8
6.0	27.983	2.811	-1.651	0.1841	0.000	39.4	34.8
7.0	28.075	4.692	-0.273	0.2124	0.000	28.0	28.4
8.0	28.041	5.516	0.351	0.2397	0.000	23.8	35.1
9.0	28.041	5.675	0.470	0.2667	0.000	22.8	39.1
10.0	28.052	6.237	0.886	0.2934	0.000	22.8	52.6



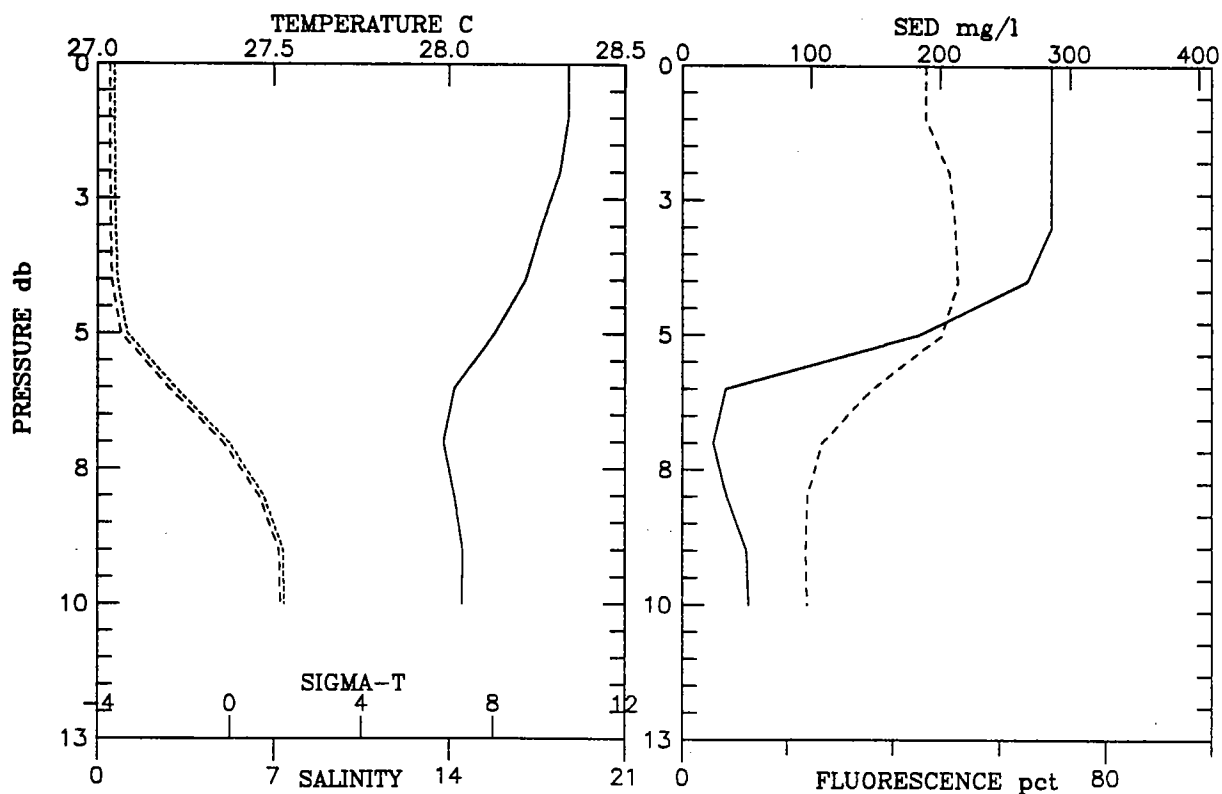
Cruise I9113 Leg 4 Station # 13.09 Depth m:14.5 Time: 1991-11-16 16:59  
 Position: 1° 15.01'N 49° 29.06'W Depth Deck Offset: 1.45 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.139	0.484	-3.439	0.0000	0.000	40.2	275.7
1.0		28.139	0.484	-3.439	0.0308	0.000	40.2	275.7
2.0		28.263	0.478	-3.479	0.0617	0.000	51.1	285.5
3.0		28.284	0.467	-3.493	0.0925	0.000	54.3	297.6
4.0		28.261	0.518	-3.448	0.1234	0.000	55.3	275.7
5.0		28.201	0.921	-3.129	0.1540	0.000	52.0	180.1
6.0		28.055	2.476	-1.922	0.1839	0.000	39.9	44.2
7.0		28.038	4.066	-0.730	0.2126	0.000	29.7	20.9
8.0		28.031	5.363	0.240	0.2402	0.000	25.2	27.1
9.0		28.053	6.292	0.926	0.2670	0.000	23.9	56.2
10.0		28.061	7.152	1.565	0.2931	0.000	28.1	130.8



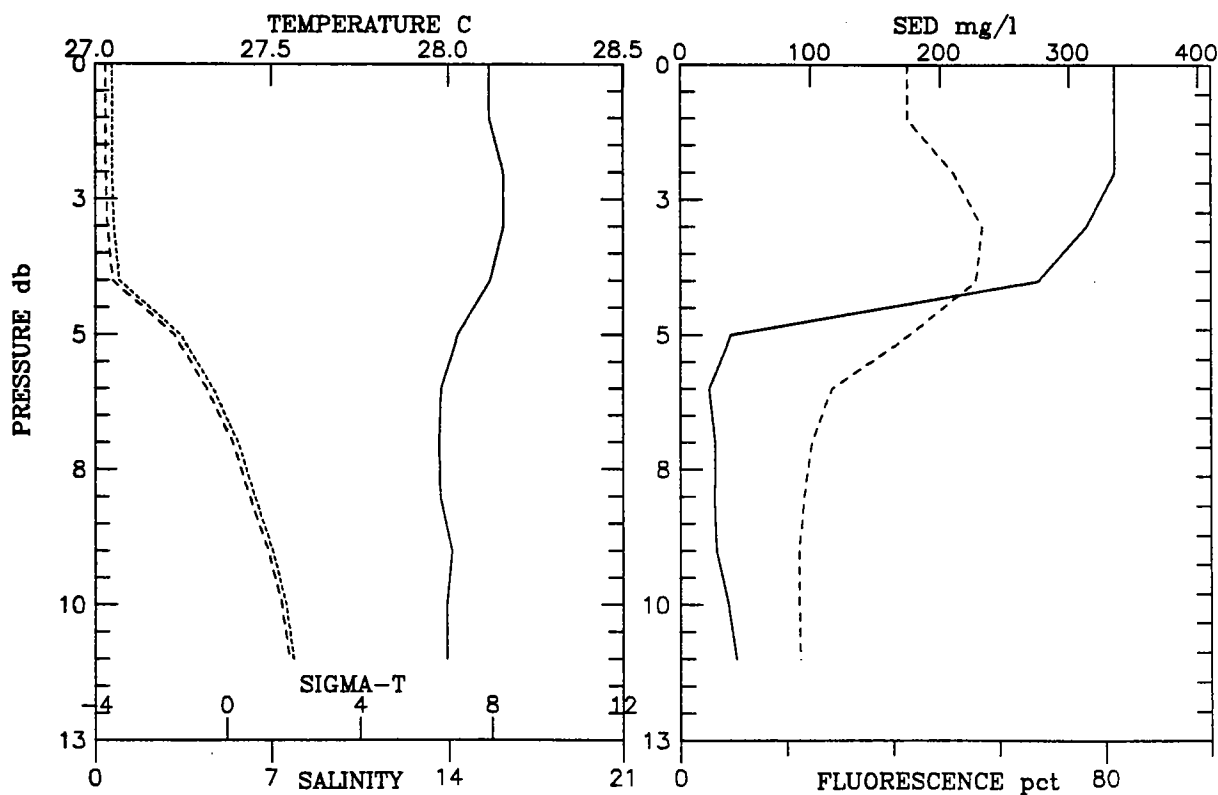
Cruise I9113 Leg 4 Station # 13.10 Depth m:15.5 Time: 1991-11-16 17:59  
 Position: 1° 14.98'N 49° 29.08'W Depth Deck Offset: 1.70 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.340	0.493	-3.490	0.0000	0.000	46.2	285.5
1.0		28.340	0.493	-3.490	0.0309	0.000	46.2	285.5
2.0		28.316	0.497	-3.480	0.0617	0.000	50.6	285.5
3.0		28.263	0.512	-3.453	0.0926	0.000	51.7	285.5
4.0		28.216	0.566	-3.399	0.1234	0.000	52.2	267.3
5.0		28.128	0.917	-3.111	0.1540	0.000	49.2	183.3
6.0		28.015	2.814	-1.658	0.1838	0.000	36.0	33.7
7.0		27.985	4.958	-0.049	0.2120	0.000	26.5	24.0
8.0		28.015	6.421	1.033	0.2389	0.000	23.8	34.8
9.0		28.039	7.213	1.617	0.2649	0.000	23.5	50.0
10.0		28.037	7.267	1.658	0.2906	0.000	23.7	51.4



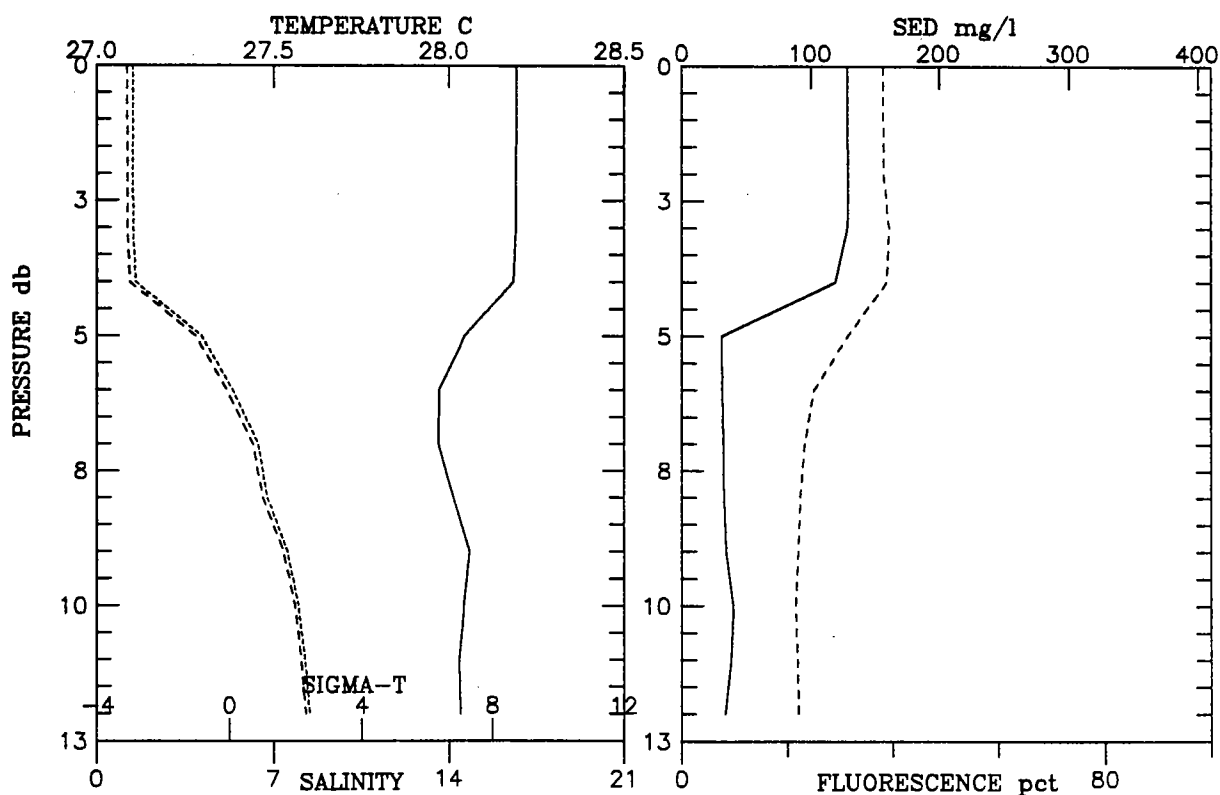
Cruise I9113 Leg 4 Station # 13.11 Depth m:16 Time: 1991-11-16 18:58  
 Position: 1° 14.98'N 49° 29.08'W Depth Deck Offset: 1.62 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.117	0.438	-3.466	0.0000	0.000	42.6	335.2
1.0	28.116	0.438	-3.466	0.0308	0.000	42.6	335.2
2.0	28.158	0.446	-3.472	0.0617	0.000	51.3	335.2
3.0	28.157	0.509	-3.425	0.0925	0.000	56.7	313.2
4.0	28.119	0.711	-3.263	0.1232	0.000	55.5	275.7
5.0	28.025	3.172	-1.394	0.1529	0.000	42.9	38.6
6.0	27.980	4.450	-0.427	0.1812	0.000	28.4	22.3
7.0	27.973	5.475	0.340	0.2086	0.000	24.7	26.7
8.0	27.977	6.152	0.844	0.2354	0.000	23.2	26.3
9.0	28.010	6.883	1.379	0.2617	0.000	22.3	27.7
10.0	27.996	7.421	1.784	0.2874	0.000	22.3	37.2
11.0	27.996	7.711	2.001	0.3129	0.000	22.5	42.8



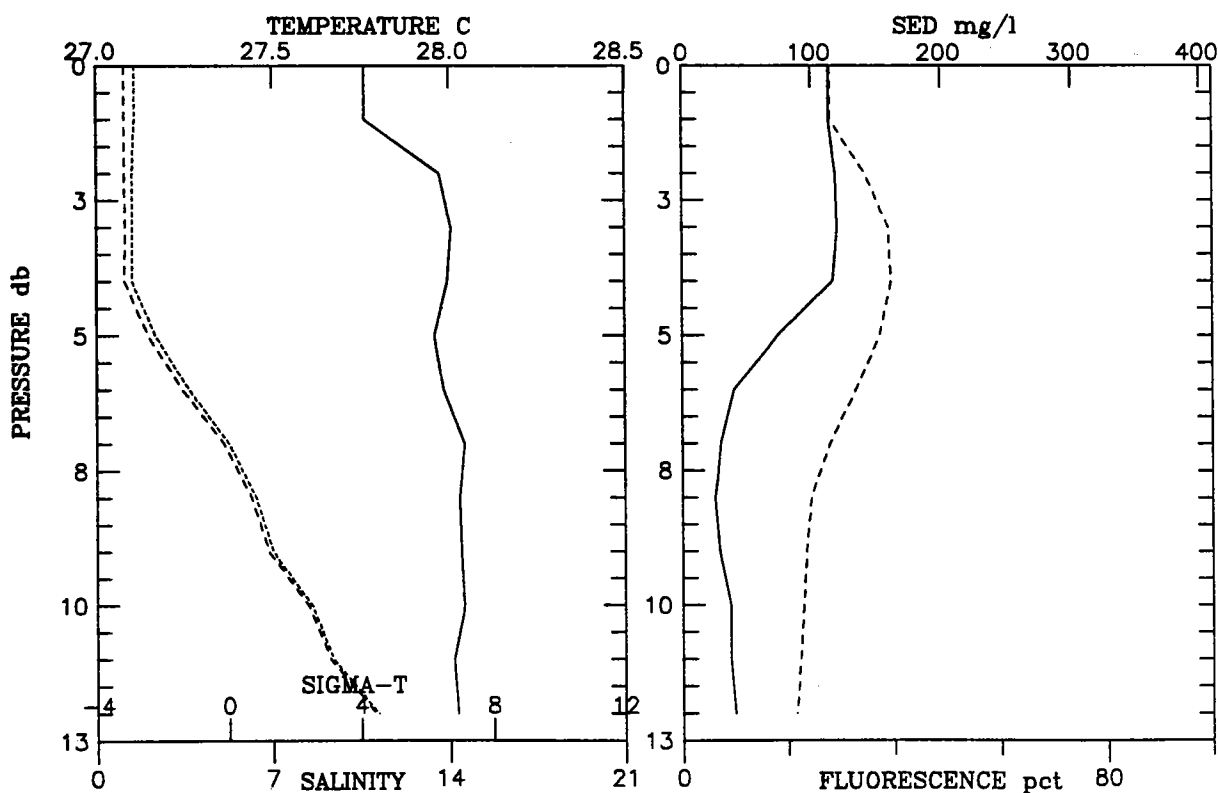
Cruise I9113 Leg 4 Station # 13.12 Depth m:17 Time: 1991-11-16 19:59  
 Position: 1° 14.96'N 49° 29.06'W Depth Deck Offset: 1.25 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.194	1.210	-2.909	0.0000	0.000	38.2	128.4
1.0		28.194	1.210	-2.909	0.0303	0.000	38.2	128.4
2.0		28.192	1.215	-2.905	0.0606	0.000	38.3	129.0
3.0		28.191	1.220	-2.901	0.0908	0.000	39.3	128.4
4.0		28.184	1.309	-2.832	0.1211	0.000	38.8	119.1
5.0		28.043	3.913	-0.846	0.1503	0.000	31.3	30.6
6.0		27.971	5.142	0.092	0.1780	0.000	25.0	30.9
7.0		27.970	6.179	0.866	0.2049	0.000	23.2	31.9
8.0		28.013	6.577	1.150	0.2313	0.000	22.4	32.4
9.0		28.058	7.383	1.738	0.2572	0.000	22.0	34.0
10.0		28.042	7.839	2.082	0.2827	0.000	21.5	39.3
11.0		28.031	8.098	2.279	0.3079	0.000	21.9	38.1
12.0		28.032	8.285	2.418	0.3329	0.000	22.0	33.7



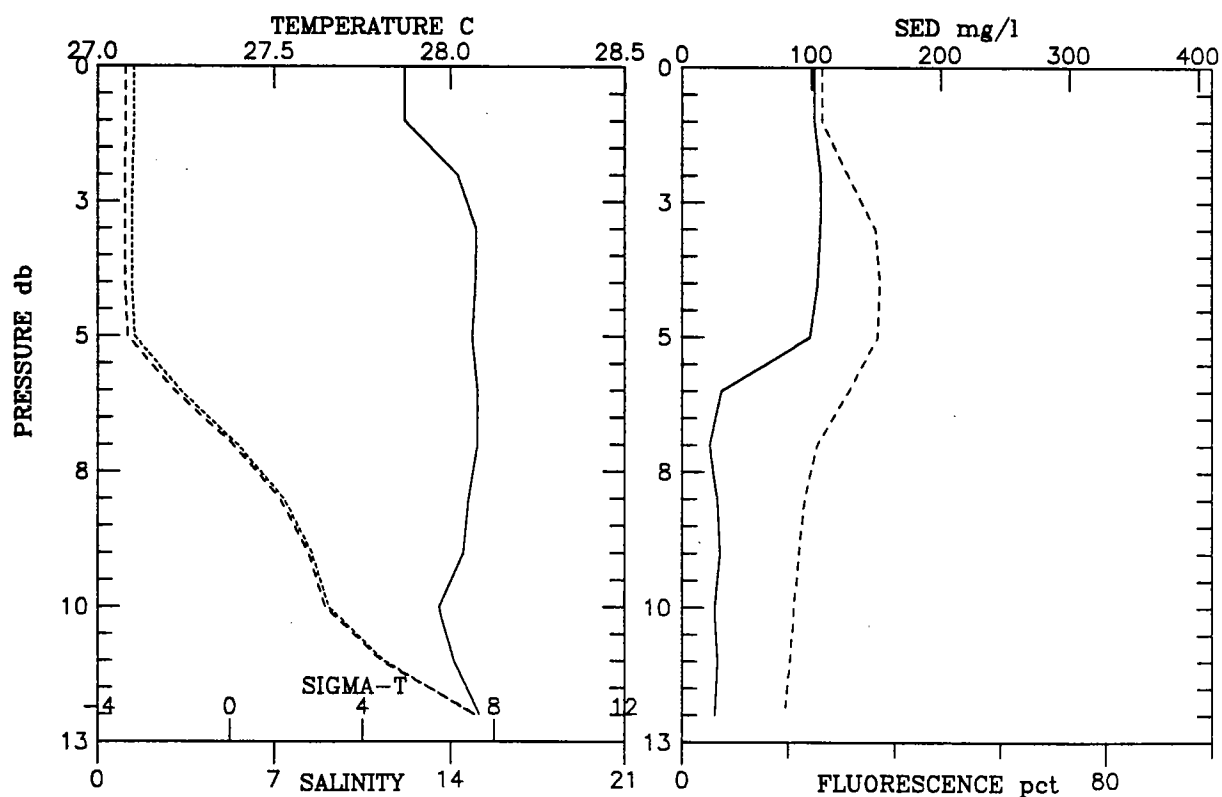
Cruise I9113 Leg 4 Station # 13.13 Depth m:17 Time: 1991-11-16 20:58  
 Position: 1° 14.93'N 49° 29.06'W Depth Deck Offset: 1.20 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.763	1.132	-2.845	0.0000	0.000	28.1	114.3
1.0	27.763	1.132	-2.845	0.0302	0.000	28.1	114.3
2.0	27.973	1.127	-2.908	0.0605	0.000	34.6	119.1
3.0	28.007	1.141	-2.907	0.0908	0.000	39.0	120.7
4.0	27.996	1.127	-2.915	0.1210	0.000	39.5	117.2
5.0	27.960	2.050	-2.213	0.1510	0.000	37.4	74.5
6.0	27.984	3.442	-1.180	0.1800	0.000	32.8	39.9
7.0	28.042	5.076	0.022	0.2080	0.000	28.0	29.5
8.0	28.028	6.171	0.843	0.2349	0.000	24.4	25.4
9.0	28.034	6.867	1.360	0.2612	0.000	23.5	28.8
10.0	28.041	8.432	2.524	0.2866	0.000	22.9	37.0
11.0	28.012	9.286	3.169	0.3111	0.000	22.3	36.8
12.0	28.022	11.092	4.512	0.3347	0.000	21.5	40.4



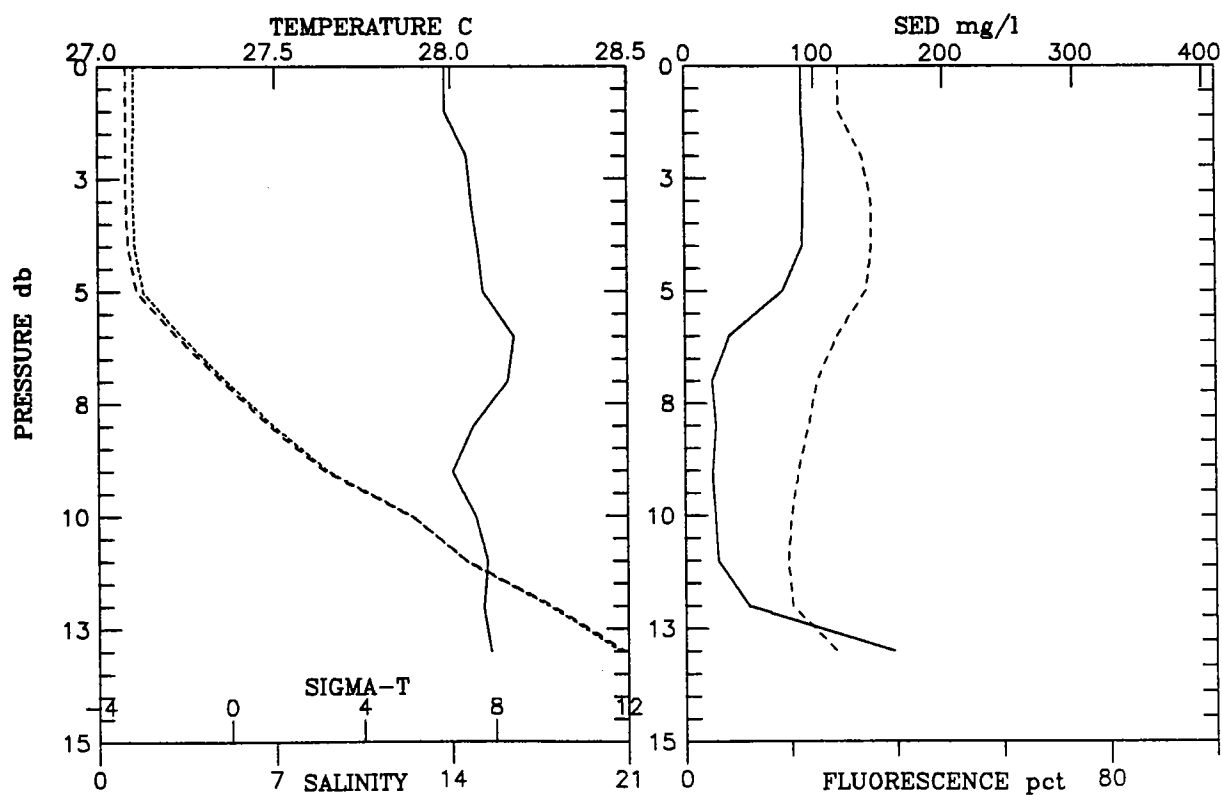
Cruise I9113 Leg 4 Station # 13.14 Depth m:17 Time: 1991-11-16 21:59  
 Position: 1° 14.95'N 49° 29.09'W Depth Deck Offset: 1.27 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.869	1.113	-2.889	0.0000	0.000	26.4	102.1
1.0	27.869	1.113	-2.889	0.0303	0.000	26.4	102.1
2.0	28.021	1.109	-2.935	0.0605	0.000	31.3	107.0
3.0	28.073	1.106	-2.953	0.0909	0.000	36.4	106.6
4.0	28.072	1.104	-2.954	0.1212	0.000	37.2	104.7
5.0	28.063	1.207	-2.874	0.1515	0.000	36.8	98.5
6.0	28.076	3.051	-1.498	0.1810	0.000	31.3	30.0
7.0	28.078	5.370	0.231	0.2090	0.000	25.4	21.1
8.0	28.052	7.237	1.631	0.2355	0.000	23.1	27.3
9.0	28.038	8.364	2.475	0.2608	0.000	22.0	29.2
10.0	27.968	9.029	2.991	0.2854	0.000	21.1	25.2
11.0	28.009	11.269	4.648	0.3090	0.000	20.3	27.1
12.0	28.083	14.988	7.397	0.3304	0.000	19.3	25.3



Cruise I9113 Leg 4 Station # 13.15 Depth m:16 Time: 1991-11-16 22:59  
 Position: 1° 14.97'N 49° 29.03'W Depth Deck Offset: 1.20 Fish 1

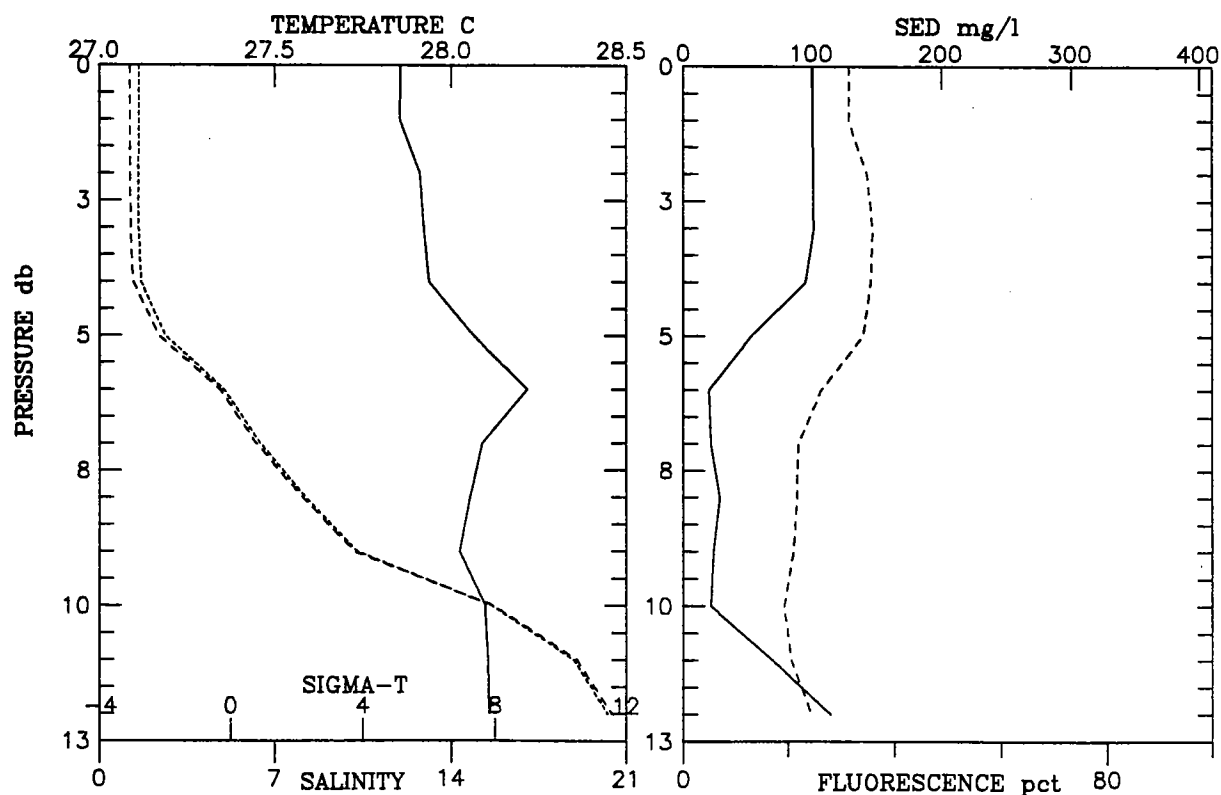
PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.985	1.129	-2.910	0.0000	0.000	29.2	90.9
1.0		27.985	1.129	-2.910	0.0303	0.000	29.2	90.9
2.0		28.046	1.127	-2.929	0.0606	0.000	33.6	92.7
3.0		28.059	1.130	-2.931	0.0909	0.000	35.4	91.5
4.0		28.077	1.208	-2.877	0.1212	0.000	35.4	91.2
5.0		28.092	1.536	-2.636	0.1513	0.000	34.3	76.1
6.0		28.178	3.150	-1.454	0.1807	0.000	28.7	34.0
7.0		28.160	4.936	-0.117	0.2089	0.000	25.0	20.4
8.0		28.062	6.804	1.305	0.2356	0.000	23.3	23.4
9.0		28.004	9.003	2.961	0.2609	0.000	21.4	21.1
10.0		28.069	12.461	5.518	0.2840	0.000	20.1	23.3
11.0		28.103	14.637	7.129	0.3051	0.000	19.4	25.1
12.0		28.093	18.012	9.648	0.3242	0.000	20.2	49.0
13.0		28.112	20.874	11.778	0.3409	0.000	28.6	161.9





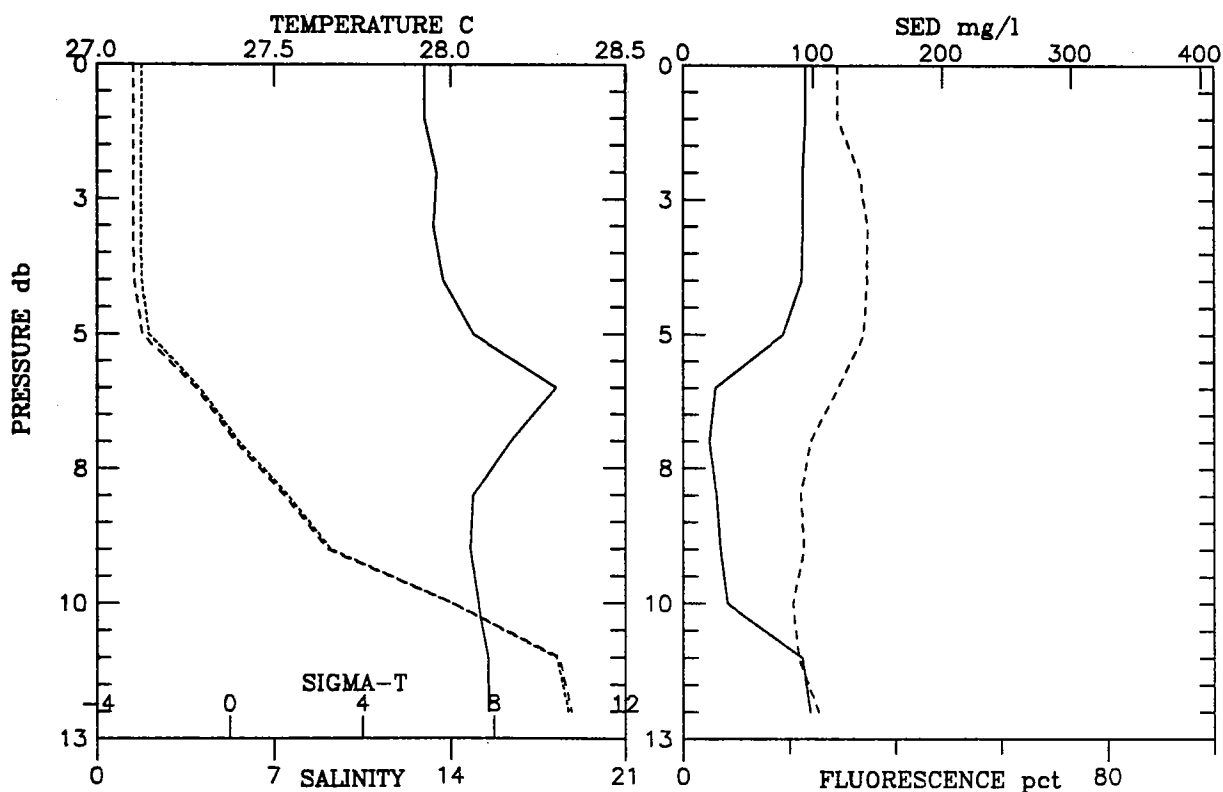
Cruise I9113 Leg 4 Station # 13.16 Depth m:16 Time: 1991-11-16 23:58  
 Position: 1° 15.04'N 49° 29.05'W Depth Deck Offset: 1.27 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.856	1.229	-2.799	0.0000	0.000	31.3	101.0
1.0	27.856	1.229	-2.798	0.0302	0.000	31.3	101.0
2.0	27.912	1.239	-2.807	0.0603	0.000	34.8	101.3
3.0	27.923	1.243	-2.807	0.0905	0.000	35.8	101.7
4.0	27.936	1.345	-2.734	0.1207	0.000	35.5	95.2
5.0	28.063	2.380	-1.996	0.1504	0.000	34.0	53.0
6.0	28.216	4.826	-0.214	0.1789	0.000	26.2	20.0
7.0	28.088	6.276	0.904	0.2059	0.000	21.9	21.7
8.0	28.054	8.113	2.283	0.2317	0.000	21.6	28.5
9.0	28.024	10.184	3.835	0.2560	0.000	21.0	23.7
10.0	28.097	15.690	7.916	0.2775	0.000	19.2	21.8
11.0	28.104	19.012	10.391	0.2958	0.000	20.6	69.7
12.0	28.109	20.416	11.437	0.3124	0.000	24.4	114.8



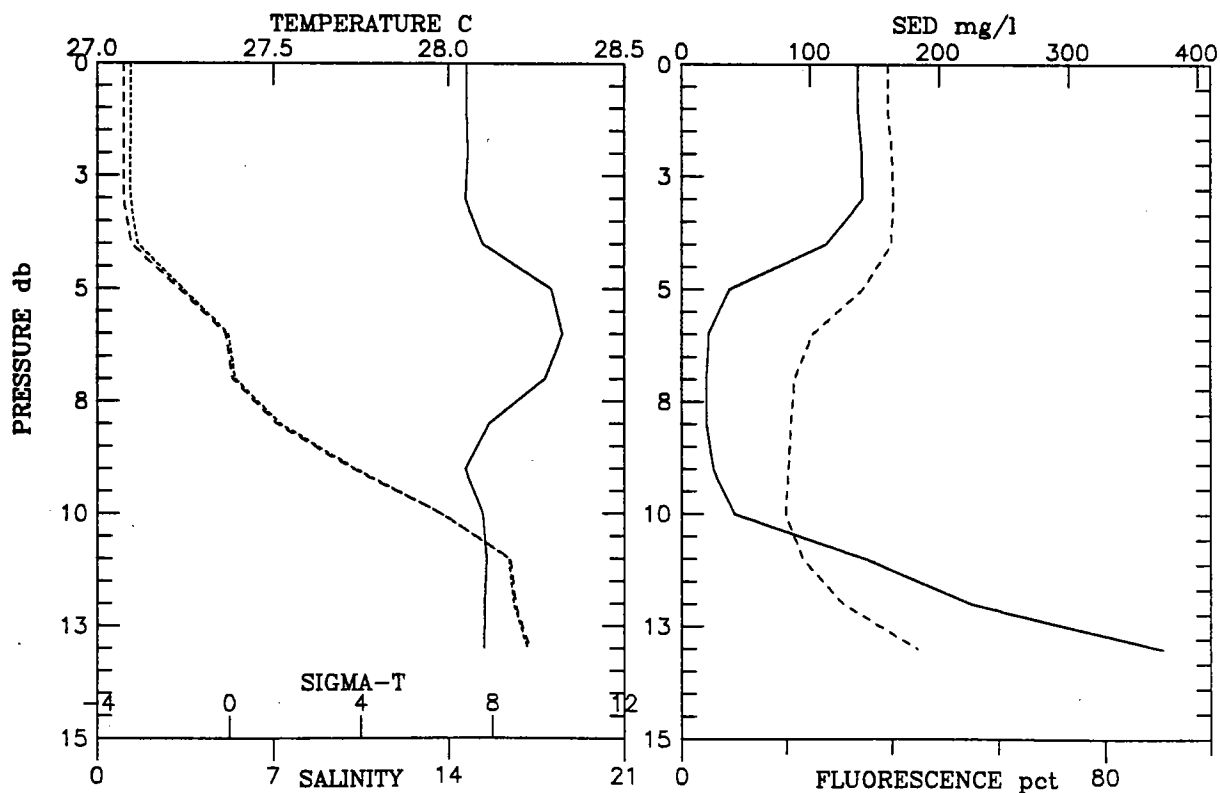
Cruise I9113 Leg 4 Station # 13.17 Depth m:15.5 Time: 1991-11-17 00:58  
 Position: 1° 15.01'N 49° 29.00'W Depth Deck Offset: 1.27 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.926	1.463	-2.643	0.0000	0.000	29.1	94.2
1.0		27.925	1.463	-2.643	0.0300	0.000	29.1	94.2
2.0		27.961	1.450	-2.663	0.0600	0.000	33.2	92.4
3.0		27.951	1.443	-2.665	0.0901	0.000	34.7	92.4
4.0		27.979	1.493	-2.636	0.1201	0.000	34.6	91.2
5.0		28.066	1.821	-2.415	0.1500	0.000	34.0	77.0
6.0		28.302	3.934	-0.905	0.1790	0.000	29.1	24.8
7.0		28.174	5.463	0.273	0.2067	0.000	23.9	20.1
8.0		28.064	7.420	1.763	0.2331	0.000	22.1	25.8
9.0		28.057	9.138	3.046	0.2580	0.000	22.7	28.8
10.0		28.080	14.076	6.718	0.2805	0.000	20.6	34.0
11.0		28.108	18.375	9.914	0.2997	0.000	21.7	91.8
12.0		28.109	18.849	10.268	0.3170	0.000	25.4	97.5



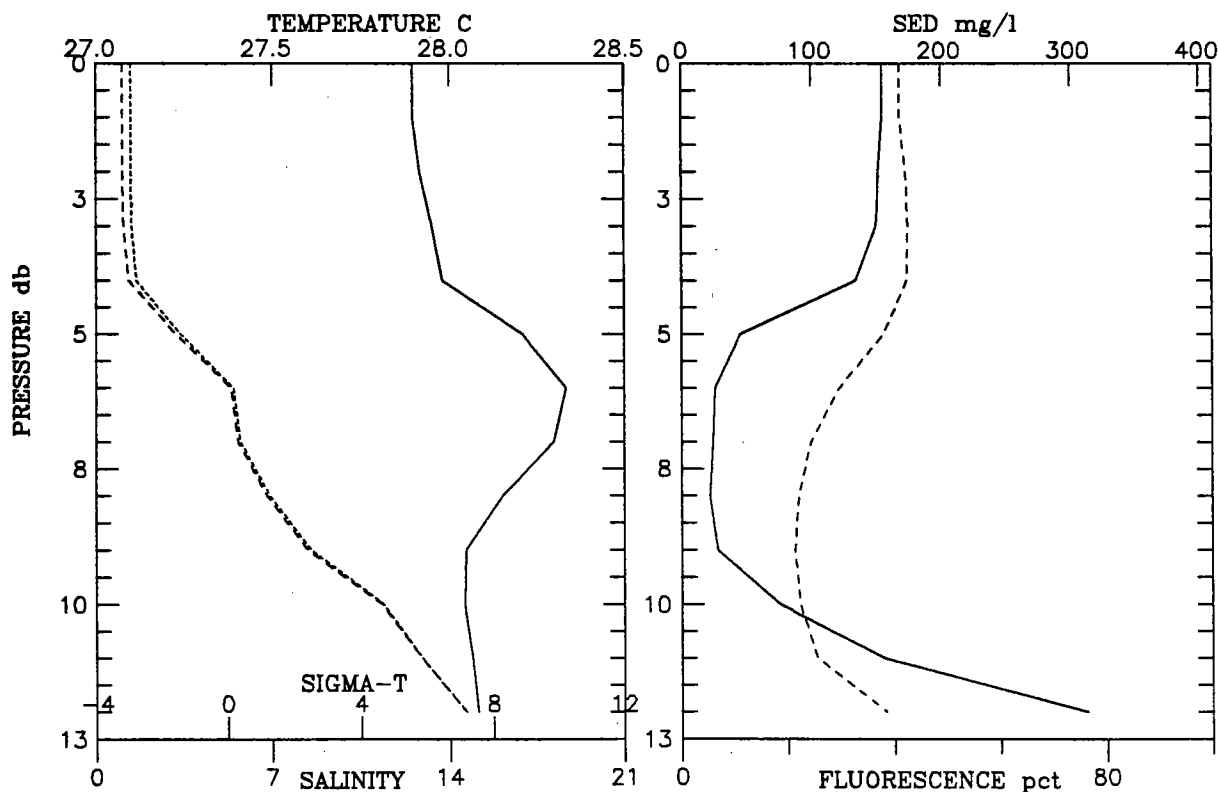
Cruise I9113 Leg 4 Station # 13.18 Depth m:15 Time: 1991-11-17 01:57  
 Position: 1° 14.99'N 49° 29.99'W Depth Deck Offset: 1.23 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.052	1.055	-2.985	0.0000	0.000	39.2	137.4
1.0		28.052	1.055	-2.985	0.0304	0.000	39.2	137.4
2.0		28.055	1.038	-2.999	0.0607	0.000	40.0	140.3
3.0		28.048	1.038	-2.996	0.0911	0.000	40.2	141.1
4.0		28.098	1.349	-2.778	0.1214	0.000	39.8	112.5
5.0		28.291	3.250	-1.412	0.1508	0.000	34.4	36.8
6.0		28.322	5.105	-0.037	0.1789	0.000	24.8	20.4
7.0		28.274	5.367	0.172	0.2062	0.000	21.4	19.1
8.0		28.115	7.159	1.554	0.2327	0.000	20.8	19.0
9.0		28.047	10.189	3.831	0.2574	0.000	20.3	24.8
10.0		28.098	13.735	6.458	0.2797	0.000	19.8	41.1
11.0		28.107	16.473	8.496	0.2996	0.000	23.1	144.2
12.0		28.102	16.665	8.641	0.3185	0.000	30.9	226.0
13.0		28.101	17.222	9.057	0.3371	0.000	44.8	372.7



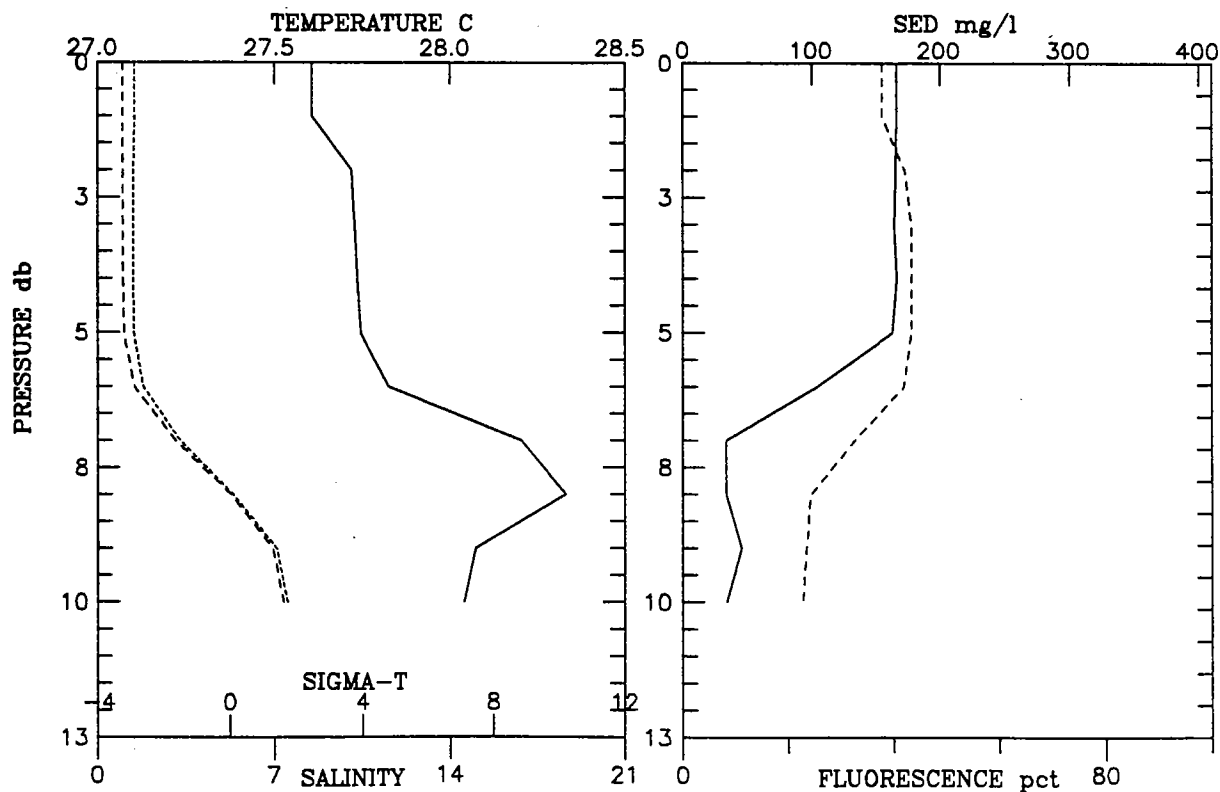
Cruise I9113 Leg 4 Station # 13.19 Depth m:14 Time: 1991-11-17 02:56  
 Position: 1° 15.01'N 49° 28.99'W Depth Deck Offset: 1.30 Fish 1

PRESSURE Interp (d-bars)		TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.897	1.059	-2.938	0.0000	0.000	41.1	154.7
1.0		27.897	1.059	-2.938	0.0303	0.000	41.1	154.7
2.0		27.917	1.073	-2.933	0.0606	0.000	42.2	151.9
3.0		27.951	1.115	-2.911	0.0909	0.000	42.6	150.1
4.0		27.981	1.309	-2.774	0.1211	0.000	42.3	134.0
5.0		28.209	3.191	-1.432	0.1506	0.000	37.9	44.9
6.0		28.331	5.389	0.172	0.1786	0.000	29.6	25.5
7.0		28.296	5.664	0.387	0.2057	0.000	24.3	24.1
8.0		28.151	6.802	1.278	0.2322	0.000	22.0	21.8
9.0		28.046	8.416	2.512	0.2577	0.000	21.3	27.4
10.0		28.043	11.329	4.682	0.2815	0.000	22.3	76.1
11.0		28.064	12.889	5.838	0.3036	0.000	25.5	155.7
12.0		28.080	14.670	7.160	0.3245	0.000	38.4	313.2



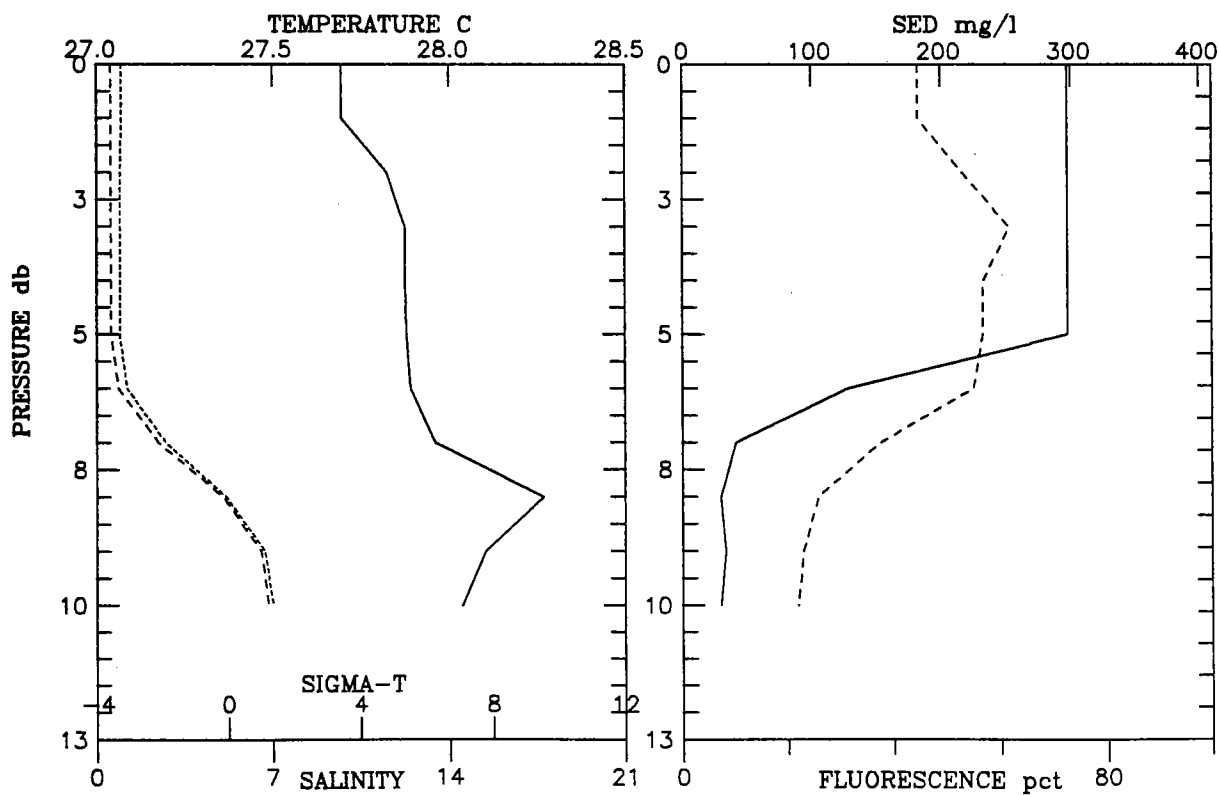
Cruise I9113 Leg 4 Station # 13.20 Depth m:15 Time: 1991-11-17 03:56  
 Position: 1° 15.02'N 49° 29.02'W Depth Deck Offset: 1.43 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.606	1.009	-2.893	0.0000	0.000	37.8	166.5
1.0		27.605	1.009	-2.893	0.0303	0.000	37.8	166.5
2.0		27.718	1.007	-2.926	0.0606	0.000	42.1	165.3
3.0		27.727	1.007	-2.929	0.0909	0.000	43.3	164.2
4.0		27.736	1.009	-2.930	0.1212	0.000	43.4	166.5
5.0		27.745	1.045	-2.905	0.1514	0.000	43.3	163.0
6.0		27.824	1.449	-2.625	0.1816	0.000	41.9	104.3
7.0		28.204	3.085	-1.510	0.2110	0.000	32.5	33.6
8.0		28.332	5.293	0.100	0.2391	0.000	24.2	33.7
9.0		28.073	6.946	1.408	0.2657	0.000	23.4	45.3
10.0		28.041	7.358	1.725	0.2915	0.000	22.7	34.0



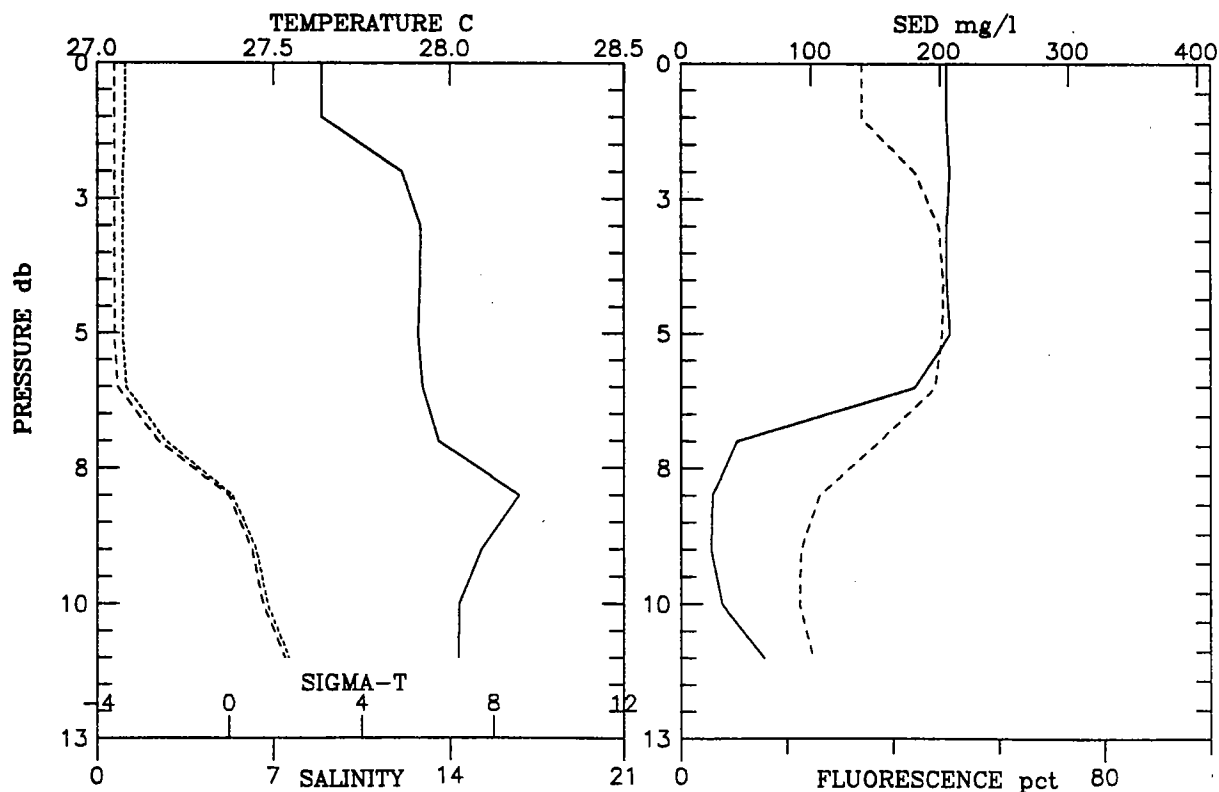
Cruise I9113 Leg 4 Station # 13.21 Depth m:15 Time: 1991-11-17 04:54  
 Position: 1° 15.04'N 49° 29.04'W Depth Deck Offset: 1.33 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.698	0.583	-3.238	0.0000	0.000	44.6	297.6
1.0		27.697	0.583	-3.238	0.0306	0.000	44.6	297.6
2.0		27.827	0.583	-3.275	0.0612	0.000	52.9	297.6
3.0		27.876	0.587	-3.286	0.0919	0.000	61.7	297.6
4.0		27.877	0.592	-3.282	0.1226	0.000	56.7	297.6
5.0		27.881	0.590	-3.285	0.1532	0.000	56.7	297.6
6.0		27.892	0.878	-3.072	0.1838	0.000	54.9	128.4
7.0		27.961	2.478	-1.894	0.2136	0.000	37.4	41.6
8.0		28.268	5.050	-0.063	0.2420	0.000	25.7	29.3
9.0		28.102	6.554	1.108	0.2688	0.000	22.9	33.6
10.0		28.037	6.849	1.346	0.2950	0.000	21.9	29.8



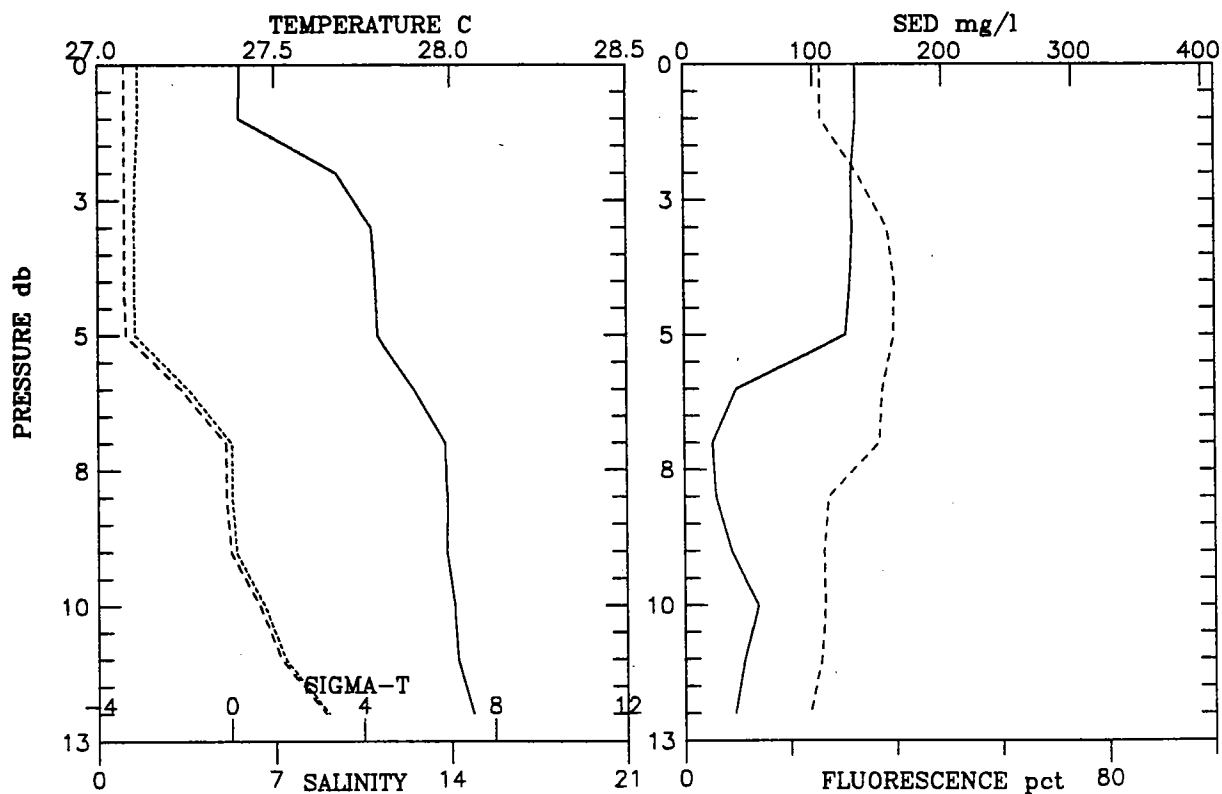
Cruise I9113 Leg 4 Station # 13.22 Depth m:16 Time: 1991-11-17 05:55  
 Position: 1° 14.97'N 49° 29.07'W Depth Deck Offset: 1.40 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.638	0.682	-3.147	0.0000	0.000	34.0	205.3
1.0		27.638	0.682	-3.147	0.0305	0.000	34.0	205.3
2.0		27.865	0.679	-3.214	0.0611	0.000	44.1	207.8
3.0		27.917	0.682	-3.226	0.0917	0.000	48.6	205.3
4.0		27.915	0.680	-3.227	0.1223	0.000	49.4	205.3
5.0		27.910	0.677	-3.228	0.1529	0.000	49.2	207.8
6.0		27.922	0.821	-3.123	0.1834	0.000	47.8	180.1
7.0		27.967	2.445	-1.920	0.2133	0.000	37.3	43.2
8.0		28.198	5.248	0.106	0.2416	0.000	26.0	24.0
9.0		28.089	6.163	0.820	0.2685	0.000	22.6	23.1
10.0		28.025	6.598	1.163	0.2949	0.000	22.3	31.4
11.0		28.024	7.466	1.810	0.3208	0.000	24.9	64.5



Cruise I9113 Leg 4 Station # 13.23 Depth m:17 Time: 1991-11-17 06:56  
 Position: 1° 14.97'N 49° 29.06'W Depth Deck Offset: 1.33 Fish 1

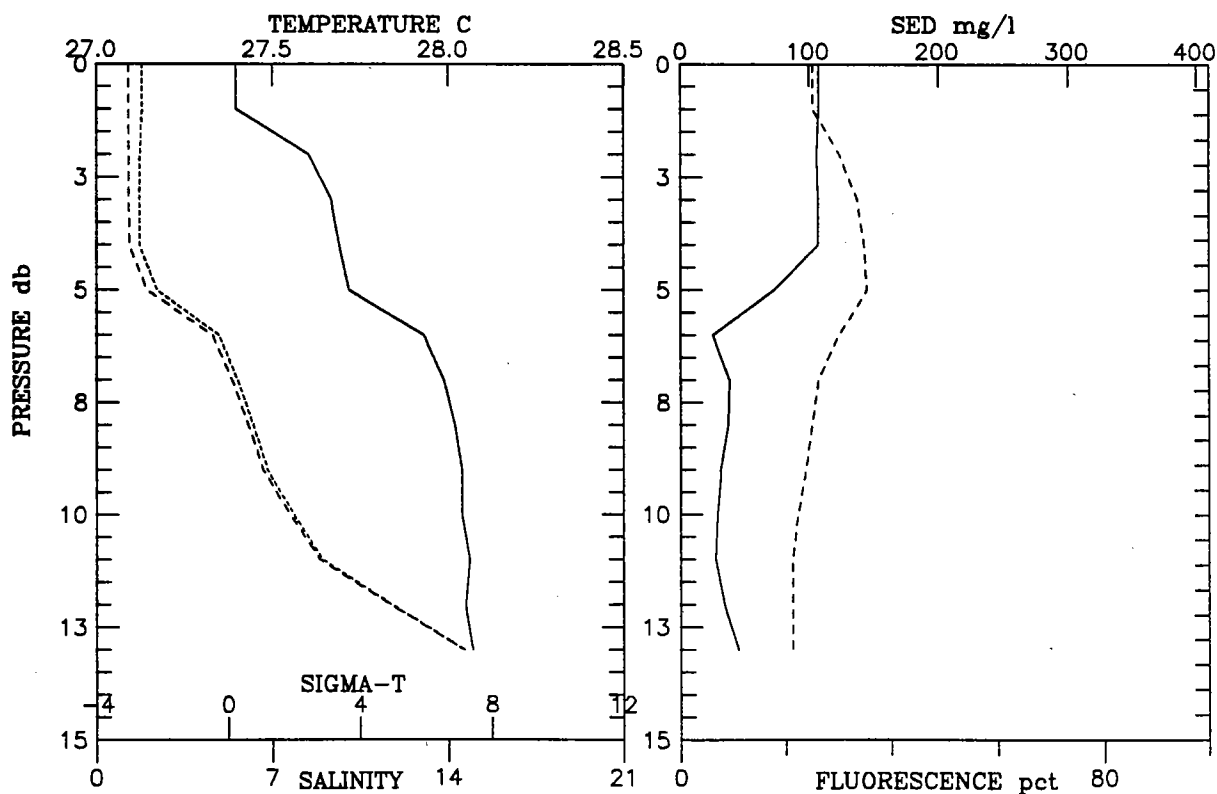
PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.401	1.081	-2.781	0.0000	0.000	25.9	133.4
1.0	27.401	1.081	-2.781	0.0302	0.000	25.9	133.4
2.0	27.676	1.077	-2.862	0.0603	0.000	32.7	130.2
3.0	27.775	1.075	-2.891	0.0906	0.000	38.4	130.8
4.0	27.785	1.075	-2.894	0.1209	0.000	39.7	128.4
5.0	27.792	1.119	-2.863	0.1511	0.000	39.6	124.9
6.0	27.895	3.307	-1.255	0.1805	0.000	37.4	40.2
7.0	27.985	5.070	0.035	0.2085	0.000	36.8	21.8
8.0	27.990	5.082	0.042	0.2359	0.000	27.2	24.0
9.0	27.987	5.240	0.161	0.2631	0.000	26.3	35.9
10.0	28.010	6.385	1.008	0.2899	0.000	26.5	56.4
11.0	28.019	7.232	1.637	0.3159	0.000	25.8	46.2
12.0	28.063	9.005	2.945	0.3410	0.000	23.6	38.7





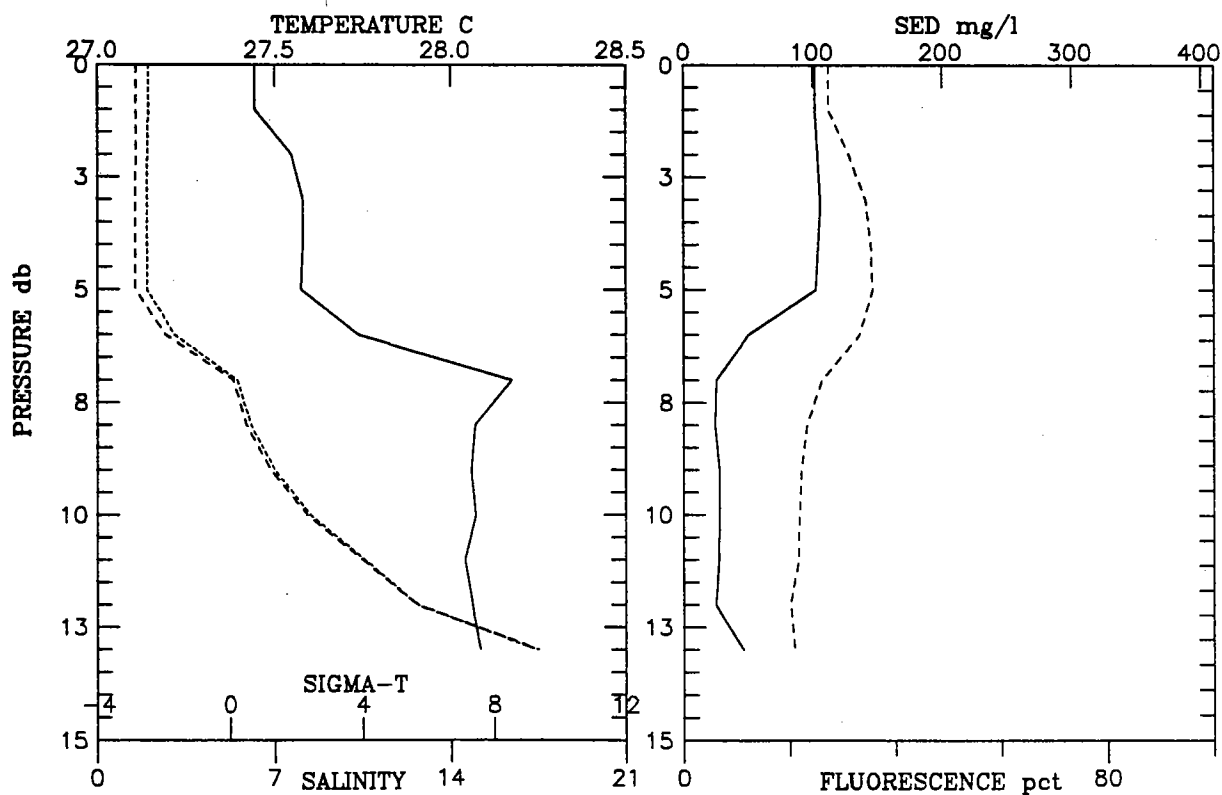
Cruise I9113 Leg 4 Station # 13.24 Depth m:16.5 Time: 1991-11-17 07:55  
 Position: 1° 14.96'N 49° 29.06'W Depth Deck Offset: 1.20 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.397	1.285	-2.627	0.0000	0.000	25.2	107.8
1.0	27.396	1.285	-2.627	0.0300	0.000	25.2	107.8
2.0	27.604	1.282	-2.687	0.0600	0.000	30.3	106.2
3.0	27.670	1.283	-2.705	0.0901	0.000	33.6	107.0
4.0	27.691	1.301	-2.698	0.1202	0.000	34.9	107.0
5.0	27.719	2.018	-2.169	0.1500	0.000	35.4	72.6
6.0	27.932	4.623	-0.283	0.1786	0.000	30.1	25.0
7.0	27.987	5.400	0.281	0.2059	0.000	26.2	37.9
8.0	28.018	6.043	0.751	0.2328	0.000	25.0	36.8
9.0	28.040	6.639	1.189	0.2592	0.000	23.8	31.1
10.0	28.038	7.720	1.995	0.2850	0.000	22.3	28.8
11.0	28.060	8.903	2.870	0.3099	0.000	21.3	27.0
12.0	28.049	11.726	4.977	0.3334	0.000	21.3	33.8
13.0	28.071	14.647	7.147	0.3547	0.000	21.3	44.9



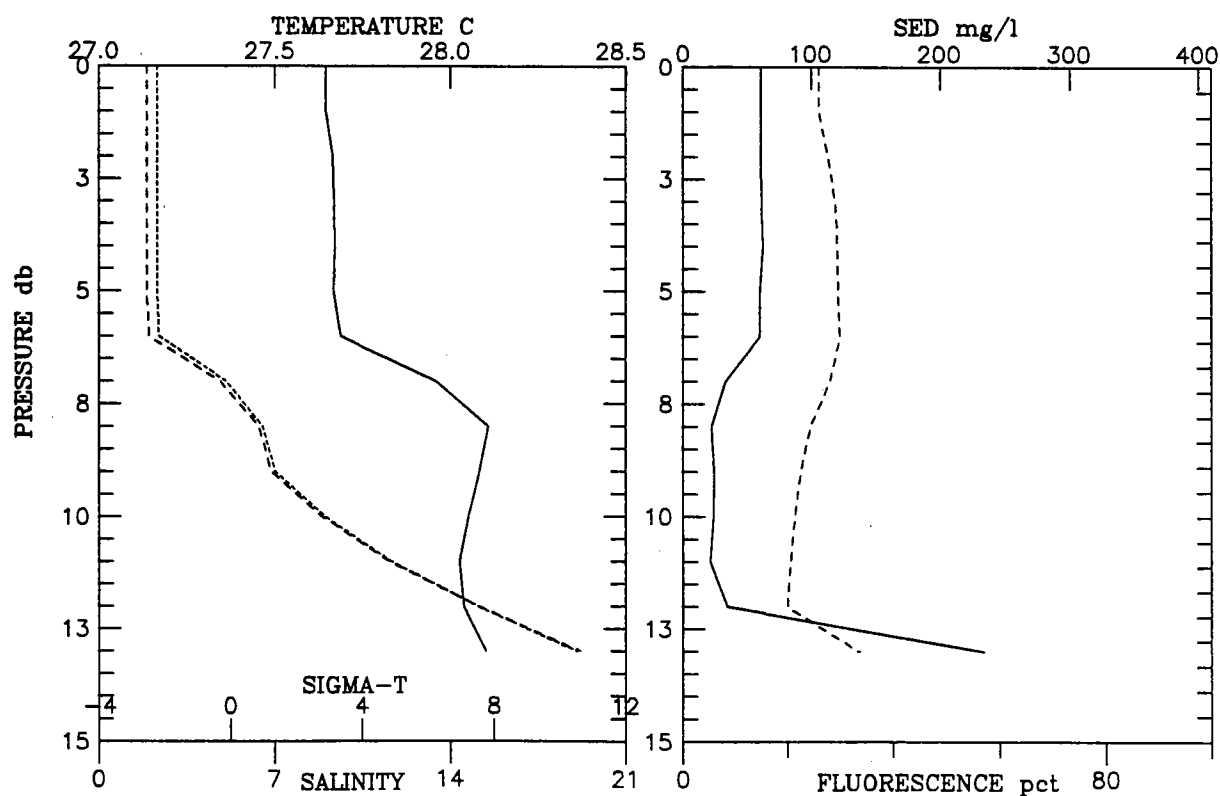
Cruise I9113 Leg 4 Station # 13.25 Depth m:16 Time: 1991-11-17 09:00  
 Position: 1° 14.93'N 49° 29.05'W Depth Deck Offset: 1.12 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.444	1.518	-2.466	0.0000	0.000	27.4	101.7
1.0	27.444	1.518	-2.466	0.0298	0.000	27.4	101.7
2.0	27.547	1.517	-2.495	0.0597	0.000	31.2	103.9
3.0	27.581	1.512	-2.509	0.0896	0.000	34.4	105.5
4.0	27.580	1.509	-2.511	0.1194	0.000	35.4	104.3
5.0	27.574	1.509	-2.509	0.1493	0.000	35.7	102.4
6.0	27.736	2.681	-1.678	0.1788	0.000	33.2	49.9
7.0	28.175	5.382	0.212	0.2069	0.000	26.0	25.0
8.0	28.069	5.899	0.629	0.2338	0.000	23.2	24.3
9.0	28.059	6.856	1.345	0.2602	0.000	22.2	27.8
10.0	28.071	8.307	2.423	0.2857	0.000	21.8	27.8
11.0	28.041	10.517	4.078	0.3098	0.000	21.6	27.1
12.0	28.062	12.668	5.675	0.3323	0.000	20.1	24.5
13.0	28.084	17.531	9.293	0.3523	0.000	20.9	46.1



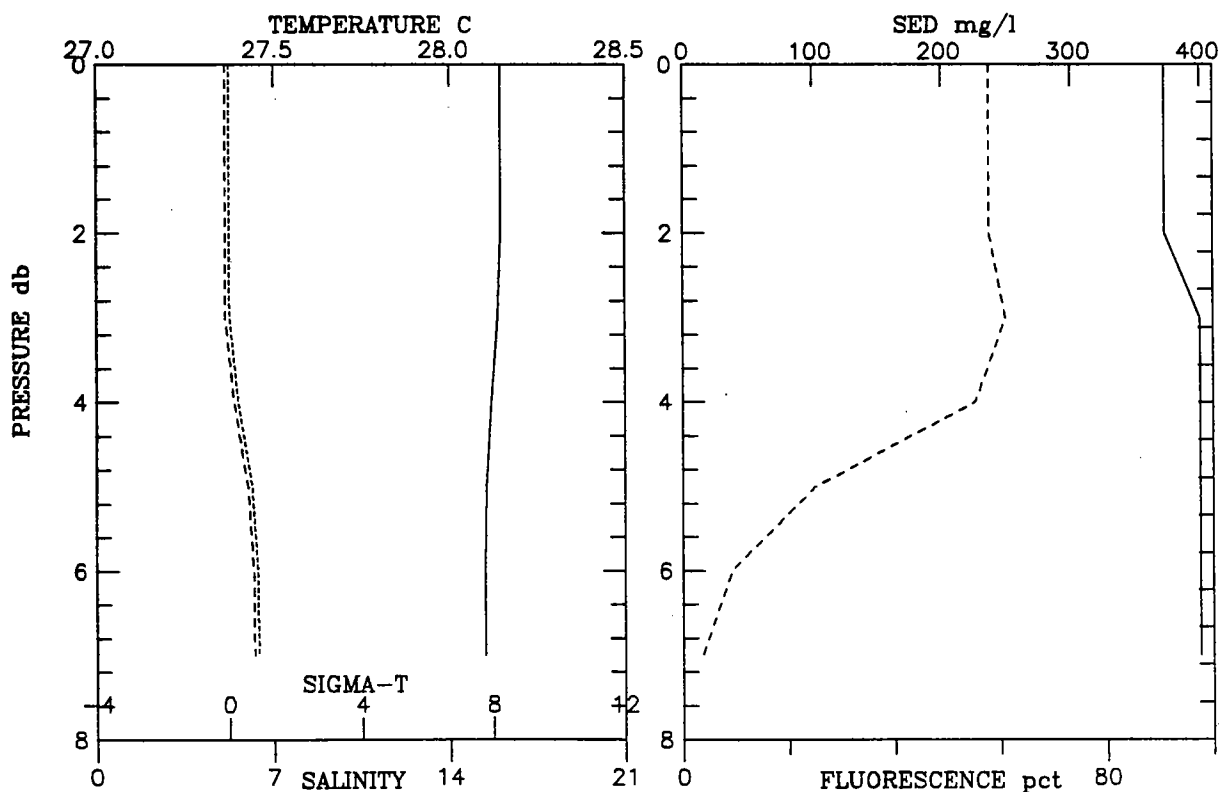
Cruise I9113 Leg 4 Station # 13.26 Depth m:16 Time: 1991-11-17 10:01  
 Position: 1° 14.95'N 49° 29.05'W Depth Deck Offset: 1.30 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.647	1.915	-2.225	0.0000	0.000	25.9	61.2
1.0		27.646	1.915	-2.225	0.0296	0.000	25.9	61.2
2.0		27.665	1.916	-2.230	0.0592	0.000	27.7	61.0
3.0		27.670	1.915	-2.232	0.0888	0.000	29.0	61.3
4.0		27.671	1.916	-2.232	0.1184	0.000	29.4	62.2
5.0		27.669	1.915	-2.232	0.1480	0.000	29.5	60.0
6.0		27.687	1.993	-2.179	0.1776	0.000	29.9	60.0
7.0		27.960	4.820	-0.144	0.2061	0.000	28.0	33.1
8.0		28.108	6.374	0.971	0.2331	0.000	24.3	22.4
9.0		28.083	6.877	1.354	0.2593	0.000	22.4	24.0
10.0		28.051	8.907	2.876	0.2845	0.000	21.3	23.5
11.0		28.026	11.597	4.887	0.3080	0.000	20.5	21.3
12.0		28.038	15.118	7.508	0.3292	0.000	19.9	34.7
13.0		28.101	19.173	10.512	0.3477	0.000	33.6	233.8



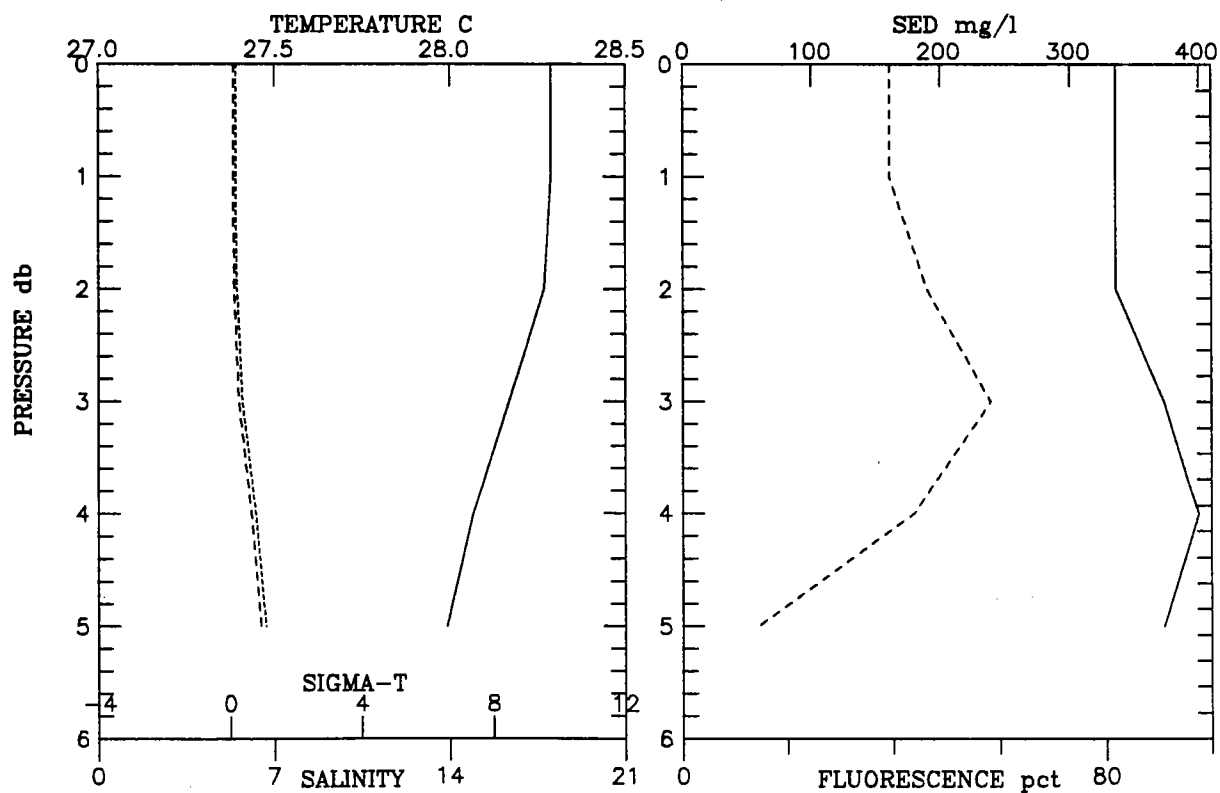
Cruise I9113 Leg 4 Station # 14 Depth m:12 Time: 1991-11-17 12:55  
 Position: 1° 31.63'N 49° 42.76'W Depth Deck Offset: 1.60 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.146	5.083	-0.002	0.0000	0.000	57.9	372.7
1.0	E	28.146	5.083	-0.002	0.0274	0.000	57.9	372.7
2.0		28.146	5.083	-0.002	0.0547	0.000	57.9	372.7
3.0		28.136	5.101	0.014	0.0821	0.000	61.0	400.0
4.0		28.119	5.435	0.268	0.1093	0.000	55.2	400.0
5.0		28.105	5.989	0.685	0.1362	0.000	25.0	400.0
6.0		28.101	6.217	0.856	0.1628	0.000	9.2	400.0
7.0		28.101	6.229	0.865	0.1893	0.000	3.7	400.0



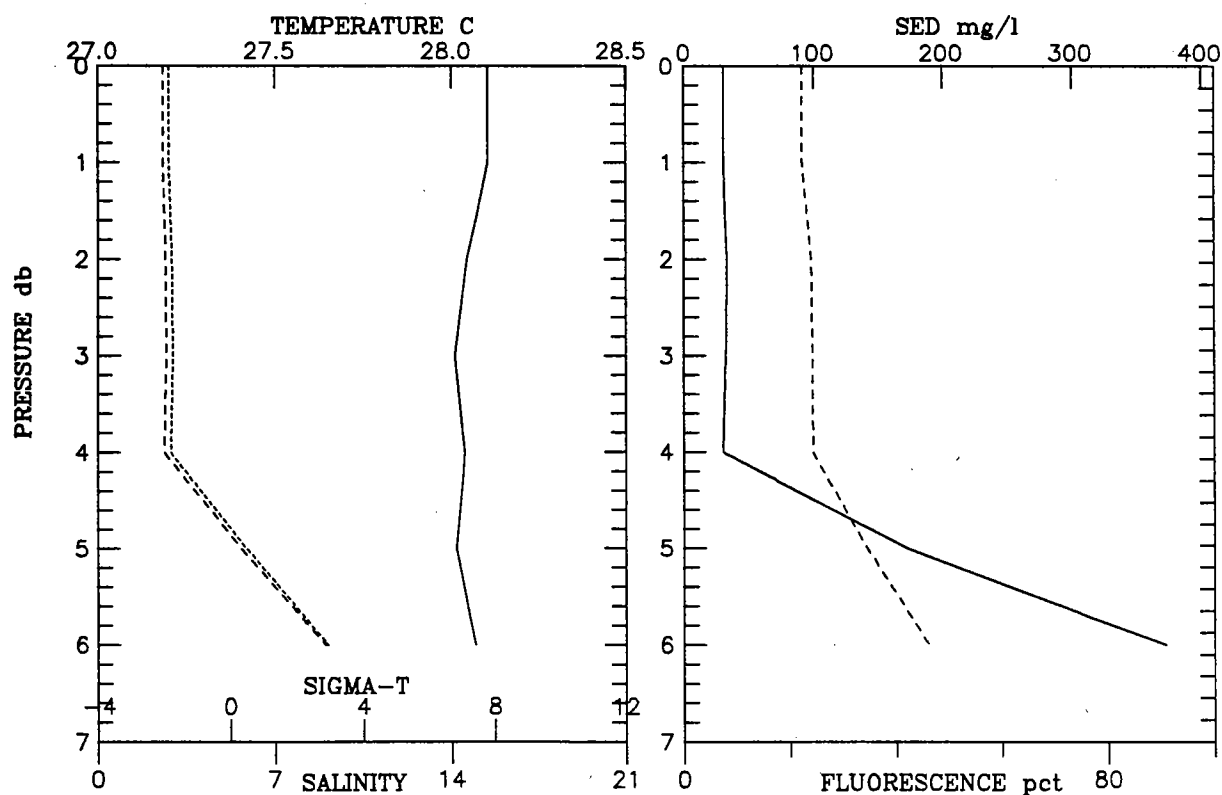
Cruise I9113 Leg 4 Station # 15 Depth m:7 Time: 1991-11-17 13:59  
 Position: 1° 34.58'N 49° 35.05'W Depth Deck Offset: 1.65 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.288	5.372	0.172	0.0000	0.000	39.3	335.2
1.0		28.287	5.371	0.171	0.0272	0.000	39.3	335.2
2.0		28.269	5.405	0.202	0.0544	0.000	46.3	335.2
3.0		28.168	5.589	0.368	0.0815	0.000	58.3	372.7
4.0		28.066	6.096	0.776	0.1082	0.000	43.9	400.0
5.0		27.991	6.477	1.082	0.1347	0.000	14.4	372.7



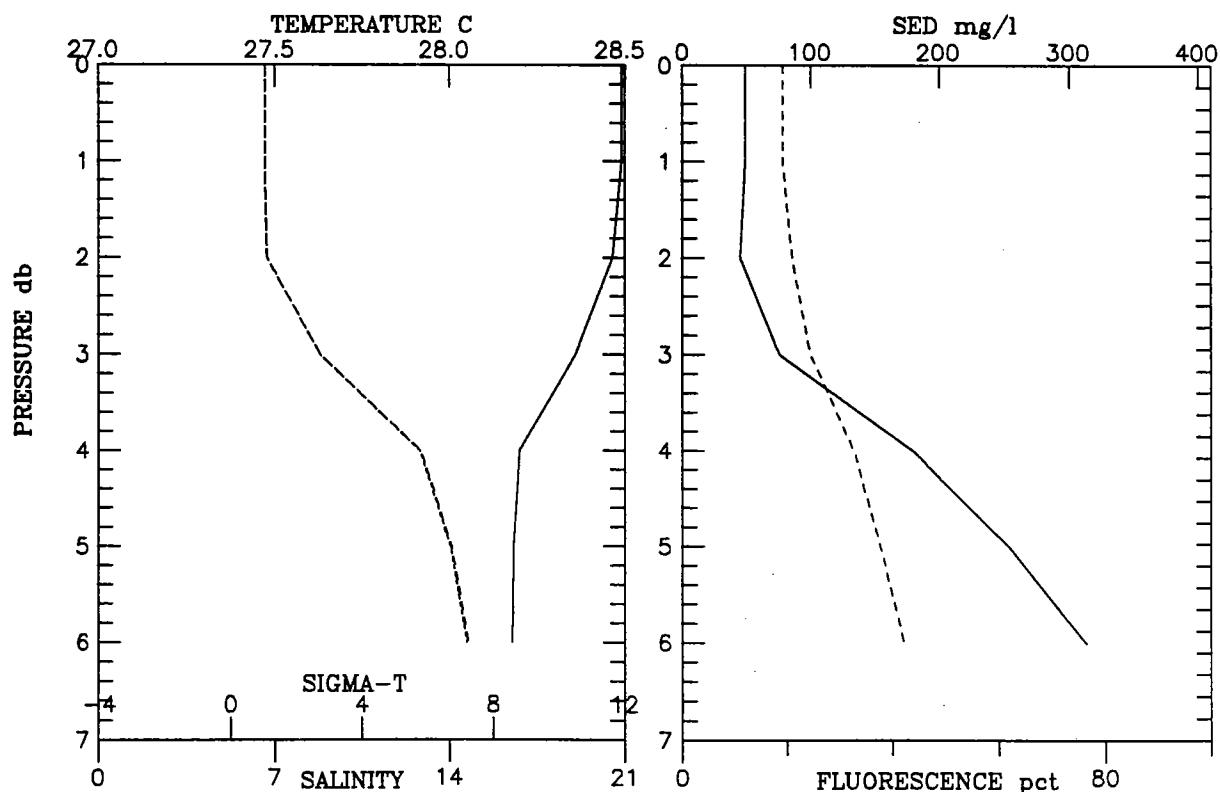
Cruise I9113 Leg 4 Station # 16 Depth m:10 Time: 1991-11-17 15:04  
 Position: 1° 37.31'N 49° 27.66'W Depth Deck Offset: 1.62 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.105	2.595	-1.848	0.0000	0.000	22.3	30.6
1.0	28.105	2.595	-1.848	0.0292	0.000	22.3	30.6
2.0	28.043	2.689	-1.760	0.0584	0.000	24.0	33.0
3.0	28.010	2.726	-1.723	0.0875	0.000	24.2	32.1
4.0	28.037	2.648	-1.789	0.1166	0.000	24.3	30.3
5.0	28.014	5.684	0.484	0.1446	0.000	34.5	172.9
6.0	28.068	8.993	2.935	0.1703	0.000	46.2	372.7



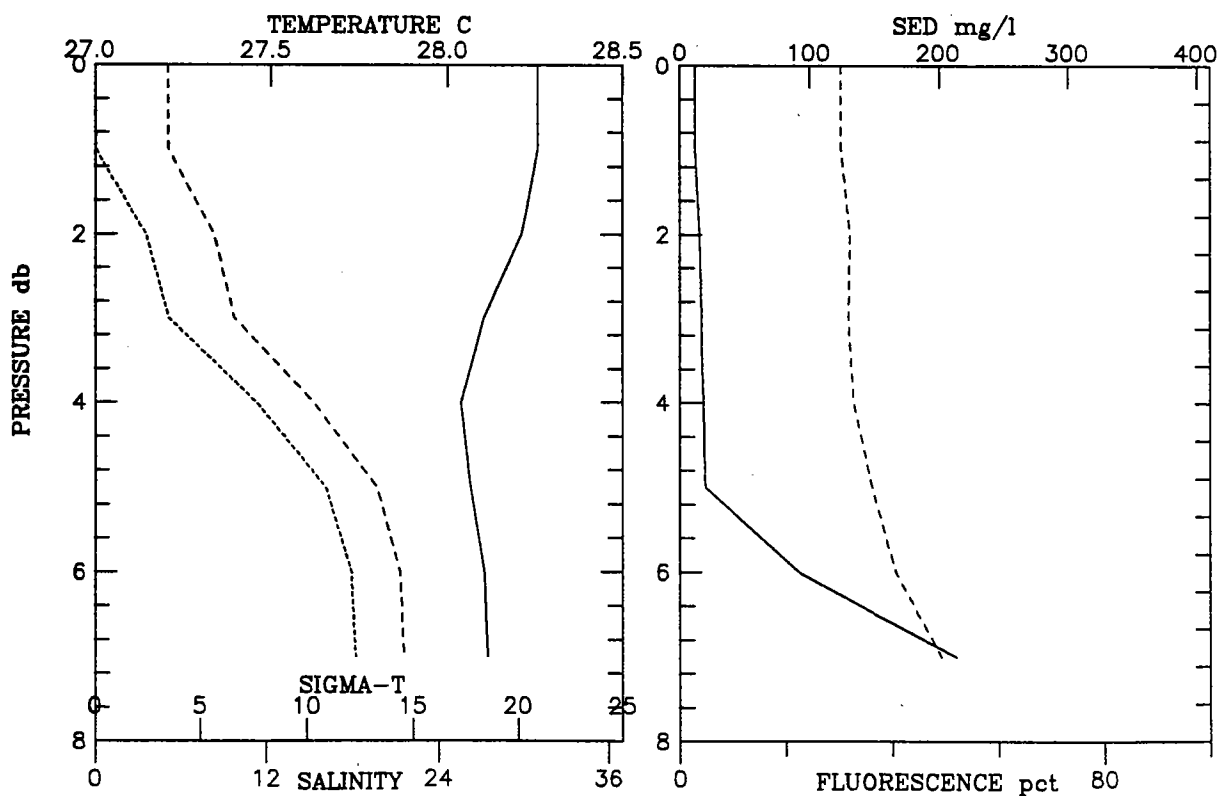
Cruise I9113 Leg 4 Station # 17 Depth m:10 Time: 1991-11-17 16:08  
 Position: 1° 40.02'N 49° 20.23'W Depth Deck Offset: 1.77 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.491	6.617	1.040	0.0000	0.000	19.1	49.0
1.0		28.490	6.617	1.040	0.0263	0.000	19.1	49.0
2.0		28.464	6.691	1.103	0.0526	0.000	20.9	45.1
3.0		28.359	8.830	2.727	0.0781	0.000	24.4	75.7
4.0		28.199	12.869	5.783	0.1012	0.000	32.7	180.1
5.0		28.182	14.104	6.708	0.1224	0.000	37.7	253.7
6.0		28.178	14.770	7.206	0.1428	0.000	42.2	313.2



Cruise I9113 Leg 4 Station # 18 Depth m:11 Time: 1991-11-17 17:19  
 Position: 1° 42.73'N 49° 12.81'W Depth Deck Offset: 1.90 Fish 1

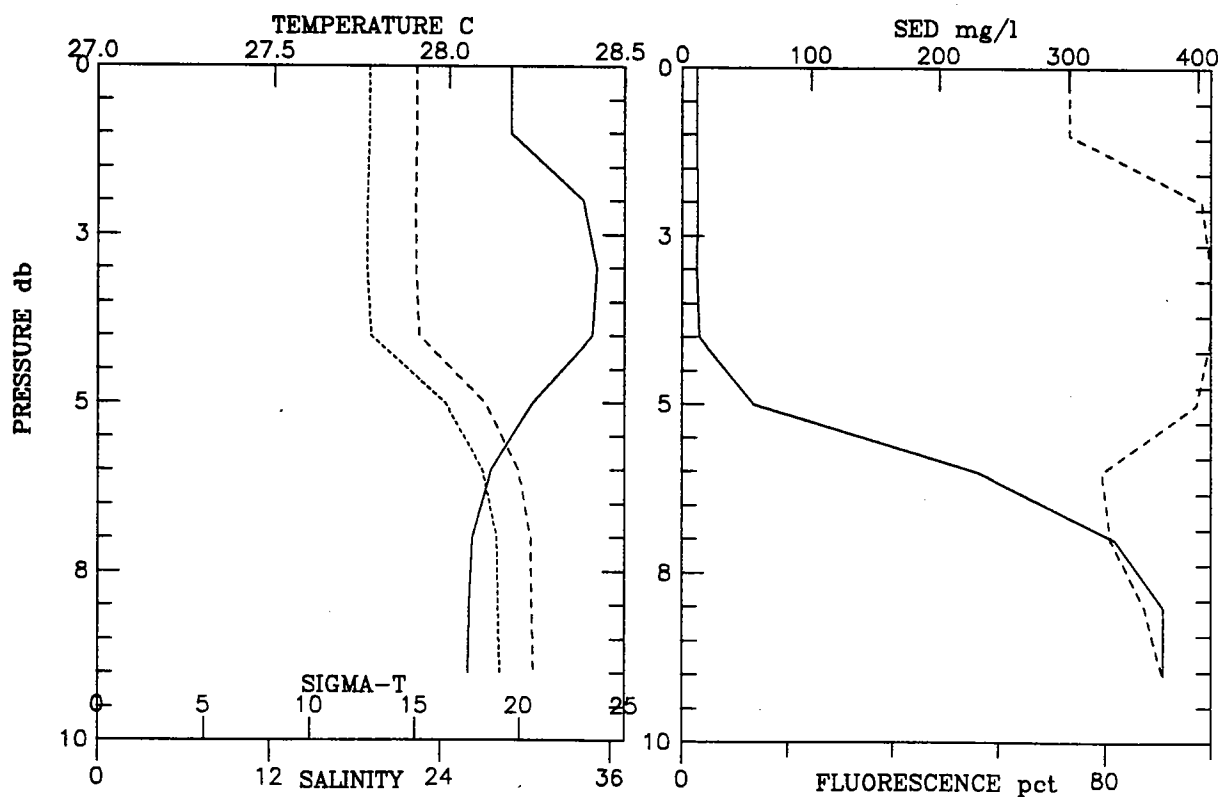
PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.257	5.186	0.042	0.0000	0.000	30.3	11.8
1.0	28.257	5.186	0.042	0.0273	0.000	30.3	11.8
2.0	28.209	8.363	2.424	0.0535	0.000	32.0	15.1
3.0	28.103	9.797	3.523	0.0779	0.000	31.7	16.8
4.0	28.036	15.317	7.656	0.0997	0.000	32.7	18.1
5.0	28.066	19.701	10.917	0.1178	0.000	36.2	19.6
6.0	28.104	21.331	12.122	0.1338	0.000	40.6	92.1
7.0	28.114	21.578	12.304	0.1491	0.000	49.2	213.2





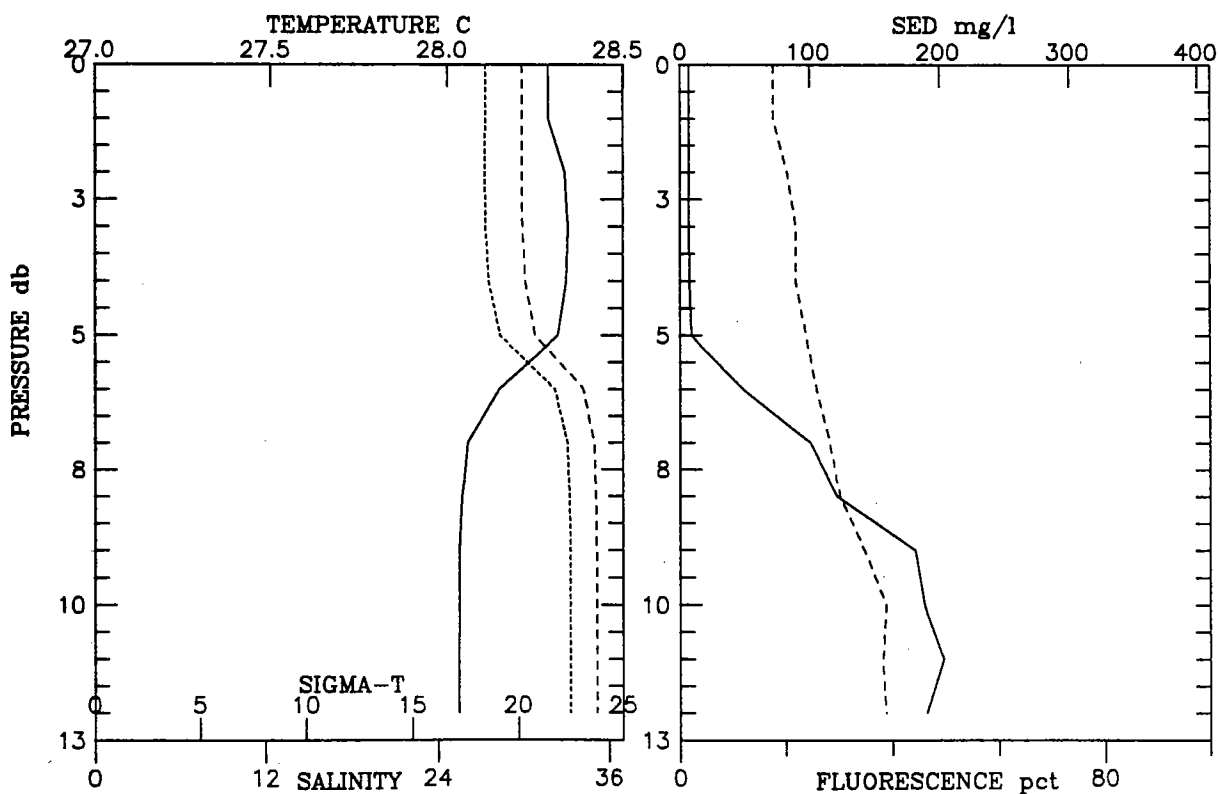
Cruise I9113 Leg 4 Station # 19 Depth m:13 Time: 1991-11-17 18:36  
 Position: 1° 45.72'N 49° 4.92'W Depth Deck Offset: 1.83 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.178	22.339	12.852	0.0000	0.000	73.3	11.4
1.0	28.177	22.339	12.852	0.0147	0.000	73.3	11.4
2.0	28.383	22.283	12.746	0.0294	0.000	98.3	11.7
3.0	28.420	22.293	12.742	0.0442	0.000	100.0	11.4
4.0	28.408	22.535	12.926	0.0589	0.000	100.0	12.9
5.0	28.240	27.216	16.479	0.0718	0.000	97.2	55.3
6.0	28.119	29.548	18.265	0.0821	0.000	79.4	229.8
7.0	28.066	30.418	18.934	0.0912	0.000	81.0	335.2
8.0	28.057	30.483	18.986	0.0999	0.000	87.4	372.7
9.0	28.053	30.609	19.082	0.1086	0.000	90.7	372.7



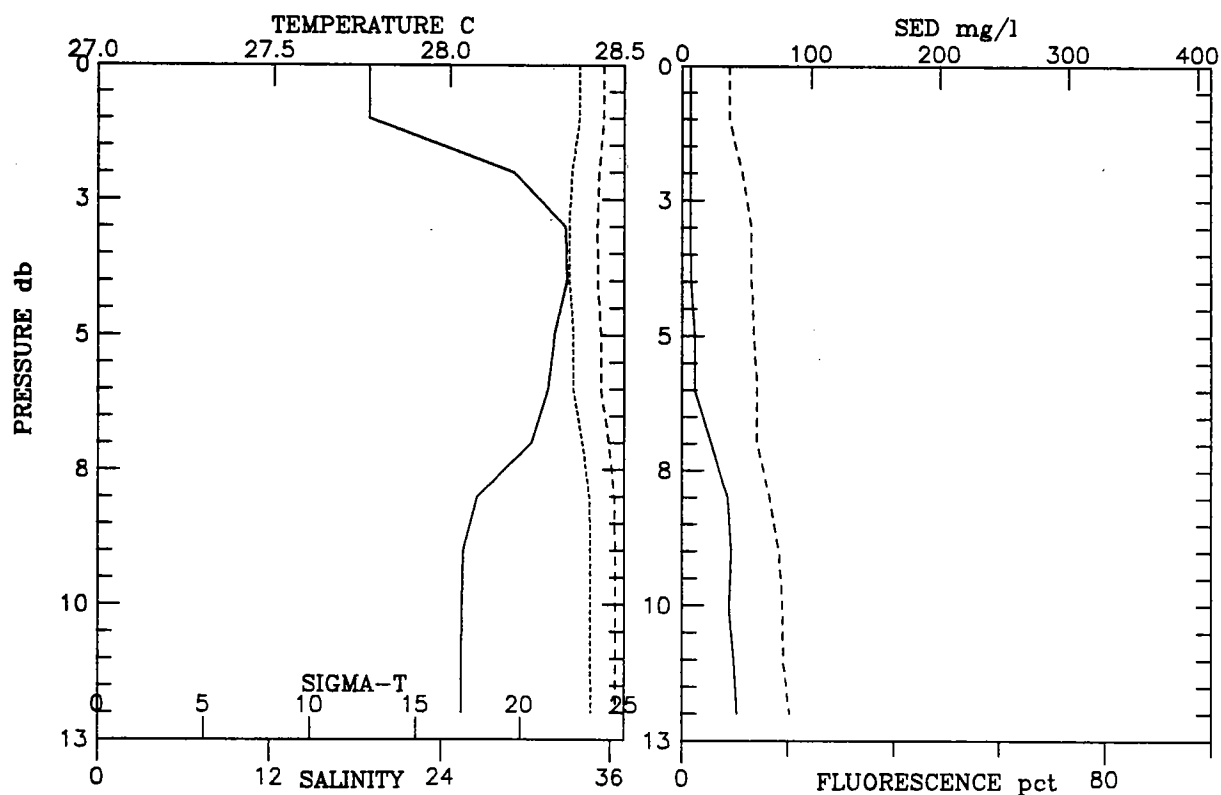
Cruise I9113 Leg 4 Station # 20 Depth m:15 Time: 1991-11-17 19:57  
 Position: 1° 48.78'N 48° 57.11'W Depth Deck Offset: 1.58 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.286	29.872	18.454	0.0000	0.000	17.6	6.6
1.0		28.285	29.872	18.454	0.0092	0.000	17.6	6.6
2.0		28.333	29.868	18.436	0.0185	0.000	20.3	6.6
3.0		28.343	29.923	18.474	0.0277	0.000	21.9	6.8
4.0		28.338	30.117	18.621	0.0369	0.000	21.9	7.1
5.0		28.313	30.809	19.148	0.0457	0.000	23.8	8.6
6.0		28.146	34.201	21.749	0.0531	0.000	25.8	49.0
7.0		28.057	34.943	22.335	0.0589	0.000	28.3	101.3
8.0		28.041	35.069	22.435	0.0643	0.000	30.2	121.7
9.0		28.033	35.110	22.469	0.0698	0.000	34.8	181.7
10.0		28.032	35.115	22.473	0.0751	0.000	38.8	188.5
11.0		28.032	35.115	22.473	0.0805	0.000	38.1	202.9
12.0		28.031	35.121	22.478	0.0859	0.000	38.7	190.3



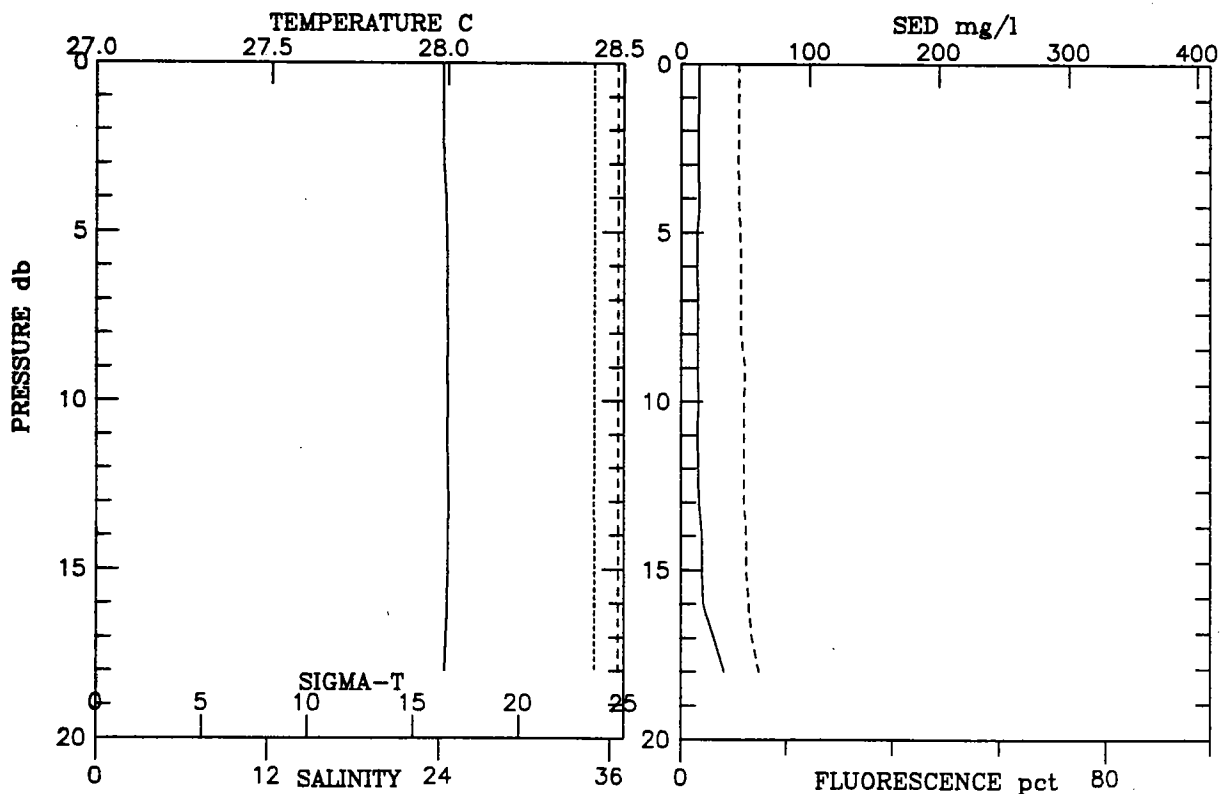
Cruise I9113 Leg 4 Station # 21 Depth m:17 Time: 1991-11-17 21:17  
 Position: 1° 51.47'N 48° 49.58'W Depth Deck Offset: 1.33 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.770	35.528	22.869	0.0000	0.000	8.9	6.4
1.0	27.770	35.527	22.868	0.0050	0.000	8.9	6.4
2.0	28.182	35.215	22.499	0.0102	0.000	11.4	6.4
3.0	28.331	35.100	22.363	0.0156	0.000	13.1	6.3
4.0	28.335	35.128	22.383	0.0211	0.000	13.1	6.6
5.0	28.299	35.363	22.572	0.0265	0.000	13.6	9.6
6.0	28.281	35.358	22.574	0.0318	0.000	14.2	9.5
7.0	28.234	35.907	23.002	0.0369	0.000	14.2	22.7
8.0	28.077	36.284	23.338	0.0416	0.000	16.6	35.7
9.0	28.037	36.332	23.387	0.0461	0.000	18.3	38.0
10.0	28.033	36.339	23.393	0.0506	0.000	18.9	36.6
11.0	28.031	36.341	23.395	0.0552	0.000	19.1	39.9
12.0	28.031	36.342	23.396	0.0597	0.000	20.3	42.4



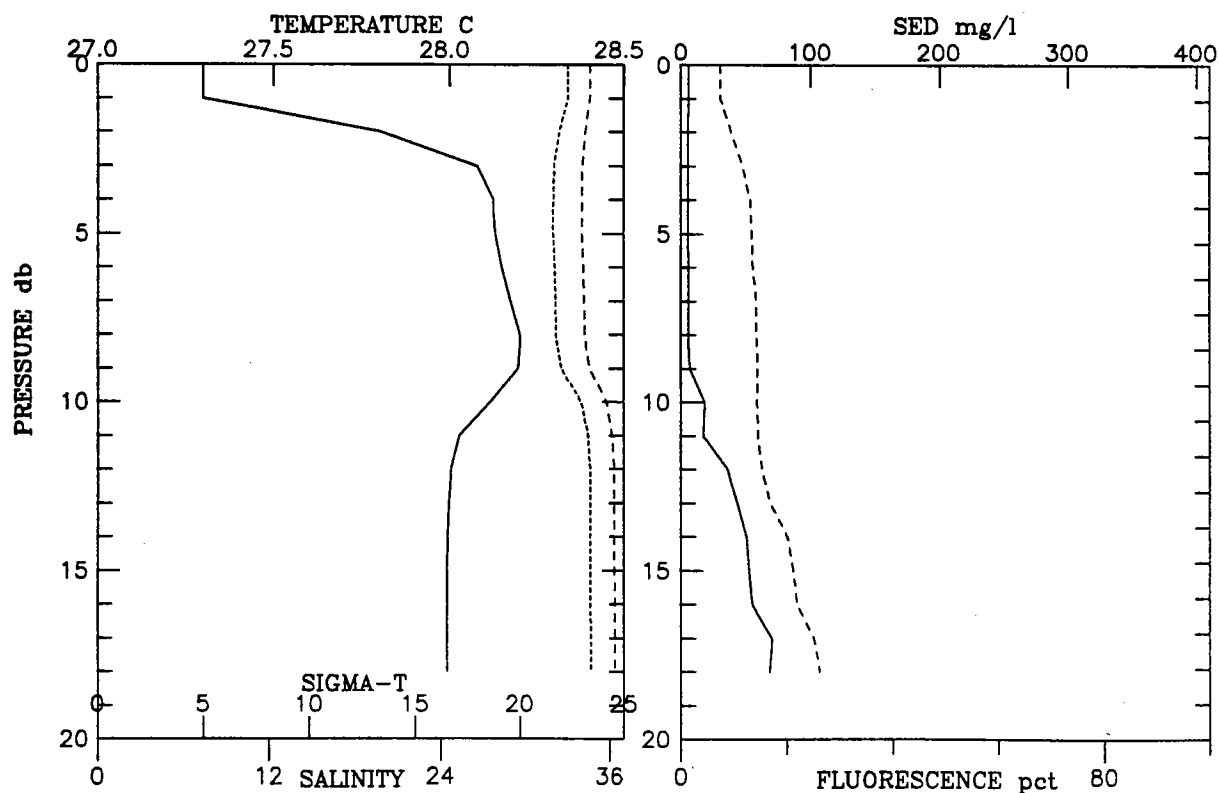
Cruise I9113 Leg 4 Station # 22 Depth m:22 Time: 1991-11-17 22:17  
 Position: 1° 54.33'N 48° 42.51'W Depth Deck Offset: 1.25 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.986	36.581	23.591	0.0000	0.000	11.0	13.5
1.0		27.986	36.580	23.590	0.0043	0.000	11.0	13.5
2.0		27.986	36.581	23.591	0.0086	0.000	11.0	12.9
3.0		27.988	36.582	23.591	0.0130	0.000	10.9	12.9
4.0		27.993	36.581	23.589	0.0173	0.000	11.0	13.7
5.0		27.994	36.581	23.588	0.0216	0.000	11.2	12.4
6.0		27.997	36.581	23.587	0.0259	0.000	11.4	12.3
7.0		27.997	36.581	23.587	0.0302	0.000	11.3	12.7
8.0		27.998	36.581	23.587	0.0346	0.000	11.4	12.5
9.0		27.998	36.581	23.587	0.0389	0.000	12.1	12.6
10.0		27.999	36.581	23.587	0.0432	0.000	12.0	13.0
11.0		27.998	36.580	23.586	0.0476	0.000	11.9	12.5
12.0		27.999	36.581	23.587	0.0519	0.000	11.9	13.0
13.0		28.000	36.558	23.569	0.0562	0.000	12.0	13.7
14.0		27.999	36.579	23.585	0.0606	0.000	12.4	15.9
15.0		27.999	36.579	23.585	0.0649	0.000	12.4	16.3
16.0		27.997	36.579	23.586	0.0692	0.000	12.9	17.3
17.0		27.993	36.576	23.585	0.0736	0.000	13.5	25.6
18.0		27.990	36.575	23.585	0.0779	0.000	14.8	33.4



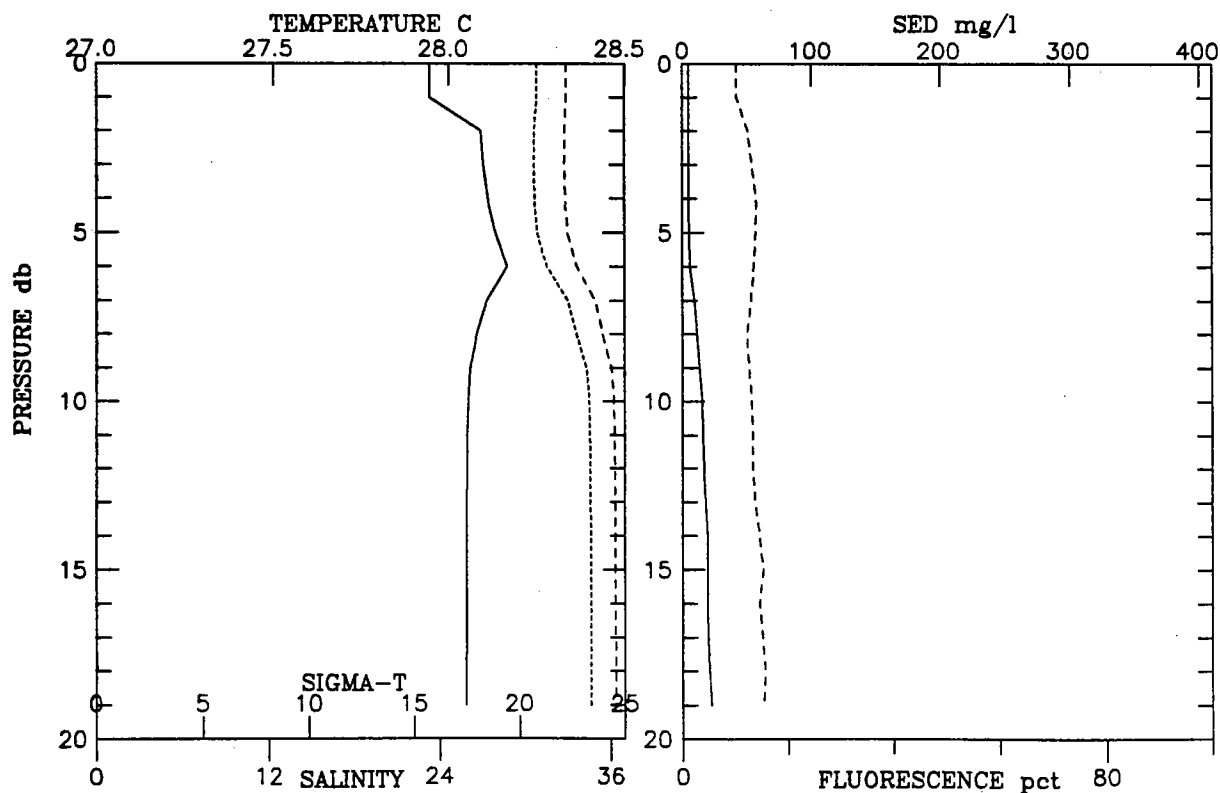
Cruise I9113 Leg 4 Station # 23 Depth m:21 Time: 1991-11-18 00:03  
 Position: 2° 7.21'N 48° 53.40'W Depth Deck Offset: 1.23 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.301	34.603	22.325	0.0000	0.000	7.4	5.6
1.0	27.301	34.603	22.325	0.0055	0.000	7.4	5.6
2.0	27.804	34.247	21.894	0.0113	0.000	9.4	5.4
3.0	28.080	34.036	21.646	0.0173	0.000	11.6	5.4
4.0	28.125	34.001	21.605	0.0235	0.000	13.0	5.4
5.0	28.129	33.999	21.602	0.0297	0.000	13.3	5.4
6.0	28.149	34.103	21.674	0.0359	0.000	13.5	5.6
7.0	28.173	34.163	21.711	0.0421	0.000	14.2	5.9
8.0	28.200	34.215	21.741	0.0482	0.000	14.2	5.9
9.0	28.195	34.535	21.983	0.0541	0.000	14.4	6.7
10.0	28.115	35.774	22.941	0.0595	0.000	14.3	18.0
11.0	28.026	36.170	23.268	0.0643	0.000	14.5	17.3
12.0	28.002	36.291	23.367	0.0689	0.000	15.3	35.9
13.0	27.996	36.306	23.380	0.0735	0.000	16.8	43.4
14.0	27.993	36.314	23.388	0.0780	0.000	20.1	50.6
15.0	27.992	36.320	23.392	0.0825	0.000	21.2	52.7
16.0	27.992	36.322	23.394	0.0870	0.000	21.9	55.1
17.0	27.991	36.326	23.397	0.0915	0.000	25.1	70.3
18.0	27.991	36.332	23.402	0.0960	0.000	26.2	68.3



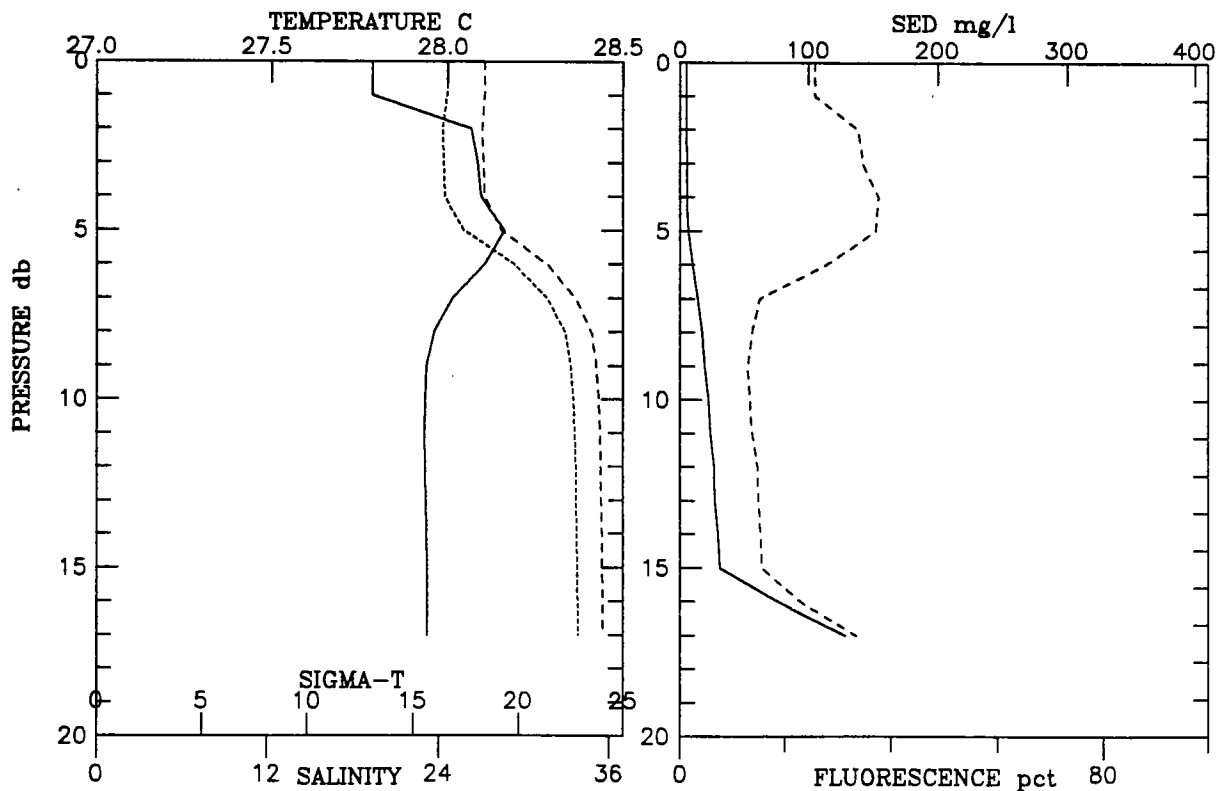
Cruise I9113 Leg 4 Station # 24 Depth m:23 Time: 1991-11-18 01:10  
 Position: 2° 17.54'N 48° 57.09'W Depth Deck Offset: 1.27 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.946	32.899	20.835	0.0000	0.000	10.3	4.8
1.0		27.946	32.899	20.835	0.0070	0.000	10.3	4.8
2.0		28.092	32.788	20.704	0.0140	0.000	12.4	4.8
3.0		28.099	32.781	20.697	0.0211	0.000	13.2	4.8
4.0		28.111	32.837	20.735	0.0281	0.000	14.0	4.8
5.0		28.133	32.989	20.842	0.0351	0.000	13.9	5.0
6.0		28.167	33.650	21.327	0.0419	0.000	13.5	5.8
7.0		28.108	34.912	22.295	0.0479	0.000	13.0	9.3
8.0		28.079	35.450	22.709	0.0532	0.000	12.2	11.0
9.0		28.062	36.066	23.178	0.0582	0.000	12.6	13.4
10.0		28.054	36.230	23.304	0.0628	0.000	13.1	15.1
11.0		28.052	36.261	23.328	0.0674	0.000	13.3	15.8
12.0		28.051	36.284	23.346	0.0720	0.000	13.3	16.9
13.0		28.050	36.298	23.357	0.0765	0.000	13.7	17.8
14.0		28.050	36.308	23.364	0.0811	0.000	14.6	19.1
15.0		28.049	36.310	23.366	0.0856	0.000	15.2	18.9
16.0		28.049	36.316	23.371	0.0902	0.000	14.5	18.9
17.0		28.049	36.321	23.375	0.0947	0.000	15.1	19.9
18.0		28.048	36.327	23.379	0.0992	0.000	15.6	20.9
19.0		28.048	36.332	23.383	0.1038	0.000	15.3	21.9



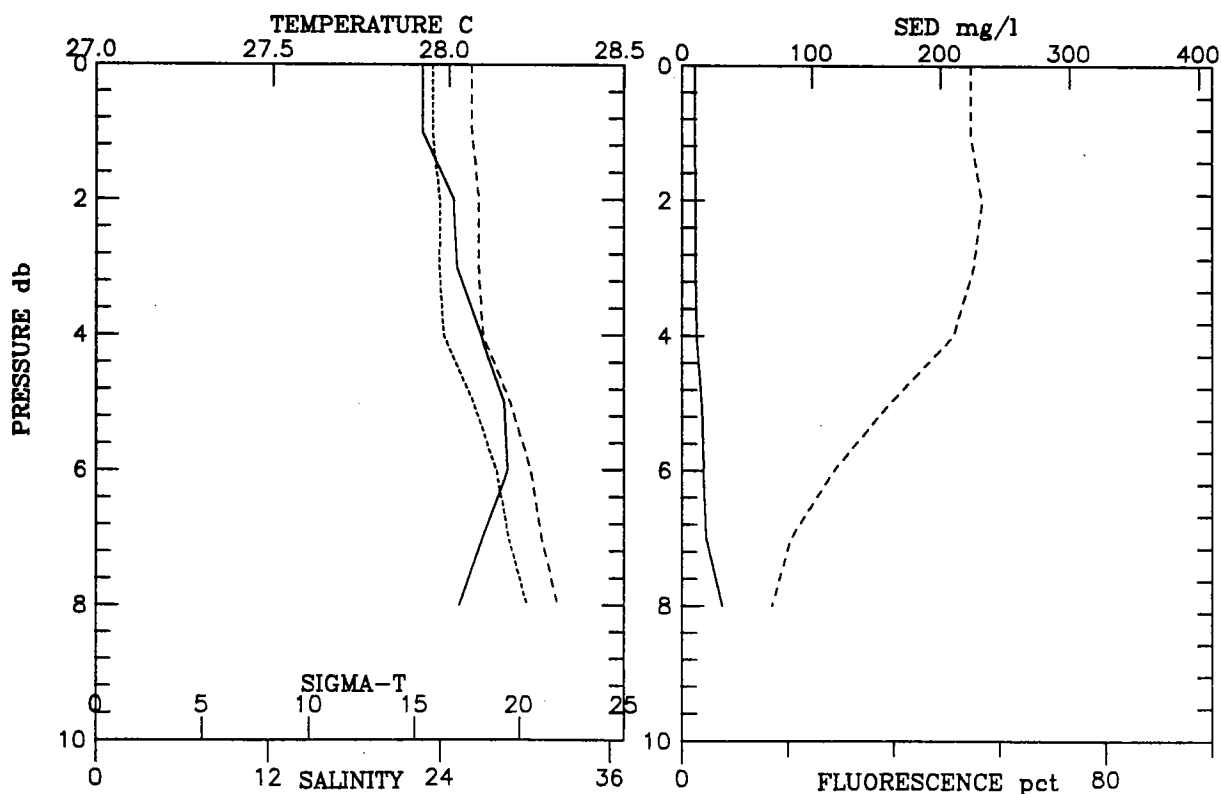
Cruise I9113 Leg 4 Station # 25 Depth m:18 Time: 1991-11-18 02:04  
 Position: 2° 17.53'N 49° 4.08'W Depth Deck Offset: 1.23 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.786	27.229	16.633	0.0000	0.000	25.7	4.8
1.0	27.786	27.229	16.633	0.0110	0.000	25.7	4.8
2.0	28.067	27.069	16.424	0.0221	0.000	33.8	4.8
3.0	28.084	27.141	16.472	0.0333	0.000	34.7	5.0
4.0	28.093	27.222	16.530	0.0444	0.000	37.6	5.1
5.0	28.161	28.423	17.408	0.0551	0.000	37.0	6.3
6.0	28.105	31.598	19.807	0.0642	0.000	27.7	9.8
7.0	28.013	33.639	21.369	0.0714	0.000	15.2	13.5
8.0	27.961	34.758	22.228	0.0774	0.000	13.7	17.3
9.0	27.938	35.102	22.494	0.0829	0.000	12.9	19.3
10.0	27.935	35.264	22.617	0.0883	0.000	13.3	22.2
11.0	27.934	35.357	22.687	0.0935	0.000	13.8	23.5
12.0	27.936	35.408	22.725	0.0986	0.000	14.8	26.7
13.0	27.937	35.427	22.739	0.1038	0.000	15.0	27.2
14.0	27.939	35.477	22.775	0.1089	0.000	15.4	29.6
15.0	27.940	35.504	22.795	0.1140	0.000	15.6	31.3
16.0	27.941	35.531	22.815	0.1191	0.000	23.0	76.6
17.0	27.941	35.532	22.816	0.1241	0.000	33.4	128.4



Cruise I9113 Leg 4 Station # 26 Depth m:13 Time: 1991-11-18 03:10  
 Position: 2° 17.66'N 49° 13.45'W Depth Deck Offset: 1.25 Fish 1

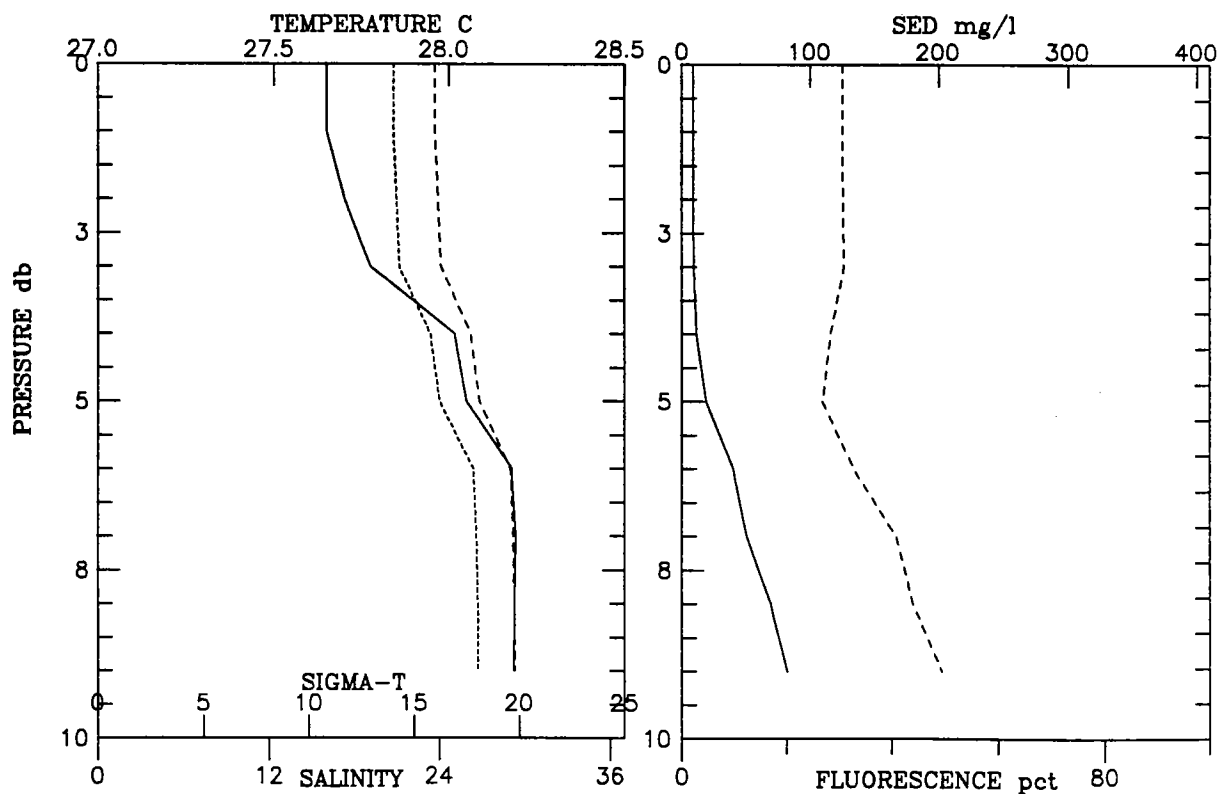
PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.924	26.281	15.880	0.0000	0.000	54.5	9.5
1.0		27.924	26.281	15.880	0.0117	0.000	54.5	9.5
2.0		28.014	26.762	16.211	0.0233	0.000	56.6	10.5
3.0		28.022	26.754	16.202	0.0347	0.000	55.0	10.4
4.0		28.092	27.056	16.406	0.0460	0.000	51.2	11.2
5.0		28.158	28.975	17.823	0.0566	0.000	39.1	15.3
6.0		28.165	30.423	18.906	0.0659	0.000	28.5	16.8
7.0		28.095	31.186	19.501	0.0745	0.000	20.5	18.5
8.0		28.028	32.314	20.369	0.0823	0.000	16.9	30.8





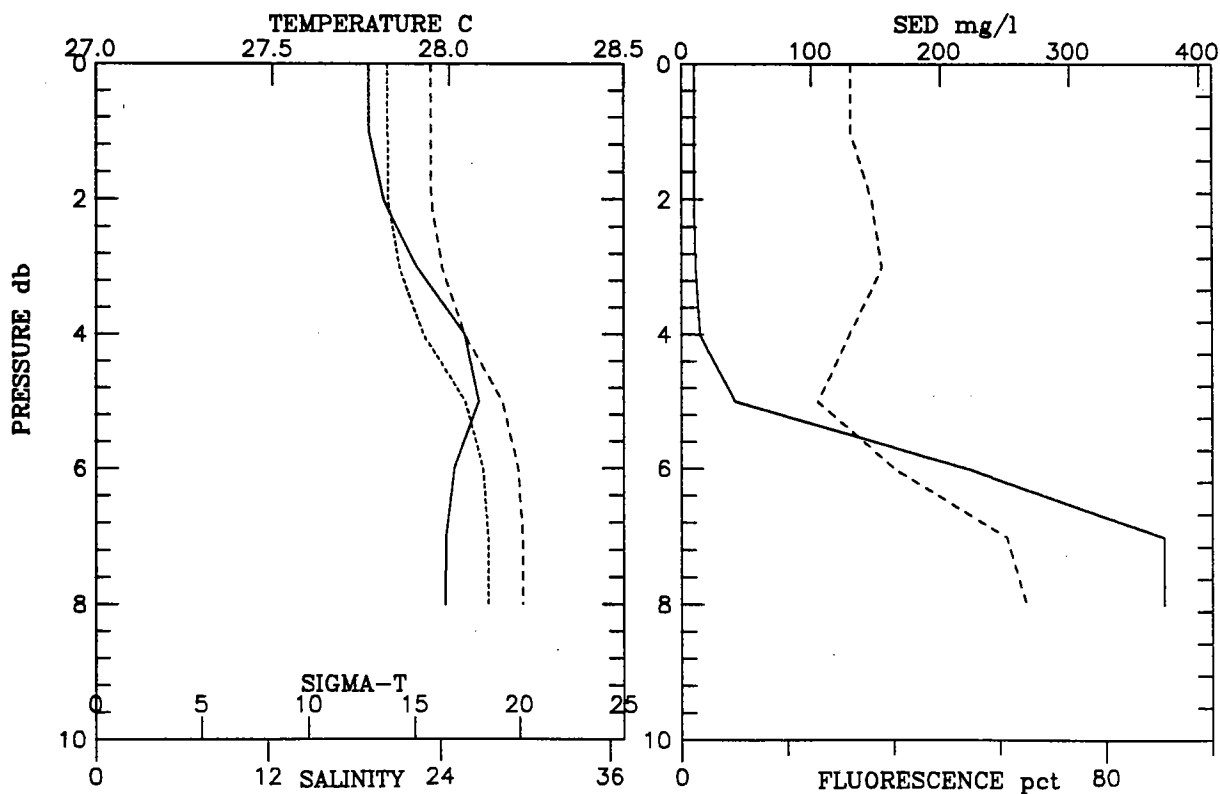
Cruise I9113 Leg 4 Station # 27 Depth m:11 Time: 1991-11-18 04:06  
 Position: 2° 17.51'N 49° 21.16'W Depth Deck Offset: 1.23 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.651	23.704	14.036	0.0000	0.000	30.6	8.6
1.0		27.651	23.704	14.036	0.0135	0.000	30.6	8.6
2.0		27.702	23.921	14.183	0.0270	0.000	30.7	8.8
3.0		27.778	24.123	14.310	0.0403	0.000	30.9	9.1
4.0		28.017	26.194	15.785	0.0528	0.000	28.3	11.4
5.0		28.049	26.804	16.231	0.0644	0.000	26.8	18.7
6.0		28.179	28.983	17.822	0.0751	0.000	32.8	40.2
7.0		28.189	29.177	17.964	0.0849	0.000	40.8	50.7
8.0		28.187	29.271	18.035	0.0946	0.000	44.0	69.5
9.0		28.184	29.293	18.053	0.1042	0.000	49.4	82.1



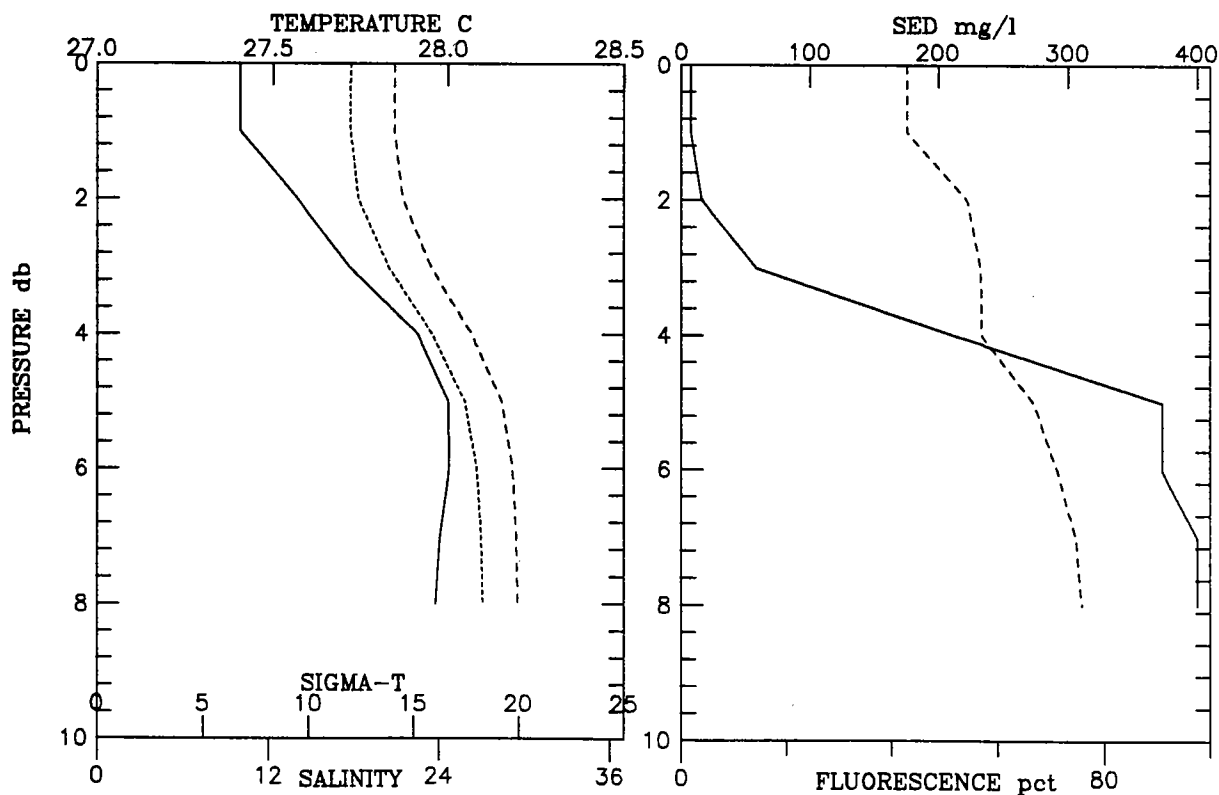
Cruise I9113 Leg 4 Station # 28 Depth m:11 Time: 1991-11-18 05:03  
 Position: 2° 17.35'N 49° 29.49'W Depth Deck Offset: 1.30 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.772	23.370	13.749	0.0000	0.000	31.8	9.7
1.0		27.772	23.370	13.749	0.0138	0.000	31.8	9.7
2.0		27.814	23.410	13.766	0.0276	0.000	35.8	9.9
3.0		27.907	24.158	14.296	0.0411	0.000	37.7	10.8
4.0		28.045	25.747	15.442	0.0538	0.000	31.6	14.2
5.0		28.084	28.416	17.427	0.0650	0.000	25.7	41.4
6.0		28.014	29.529	18.284	0.0749	0.000	40.2	222.5
7.0		27.990	29.834	18.521	0.0842	0.000	61.3	372.7
8.0		27.989	29.835	18.522	0.0933	0.000	65.0	372.7



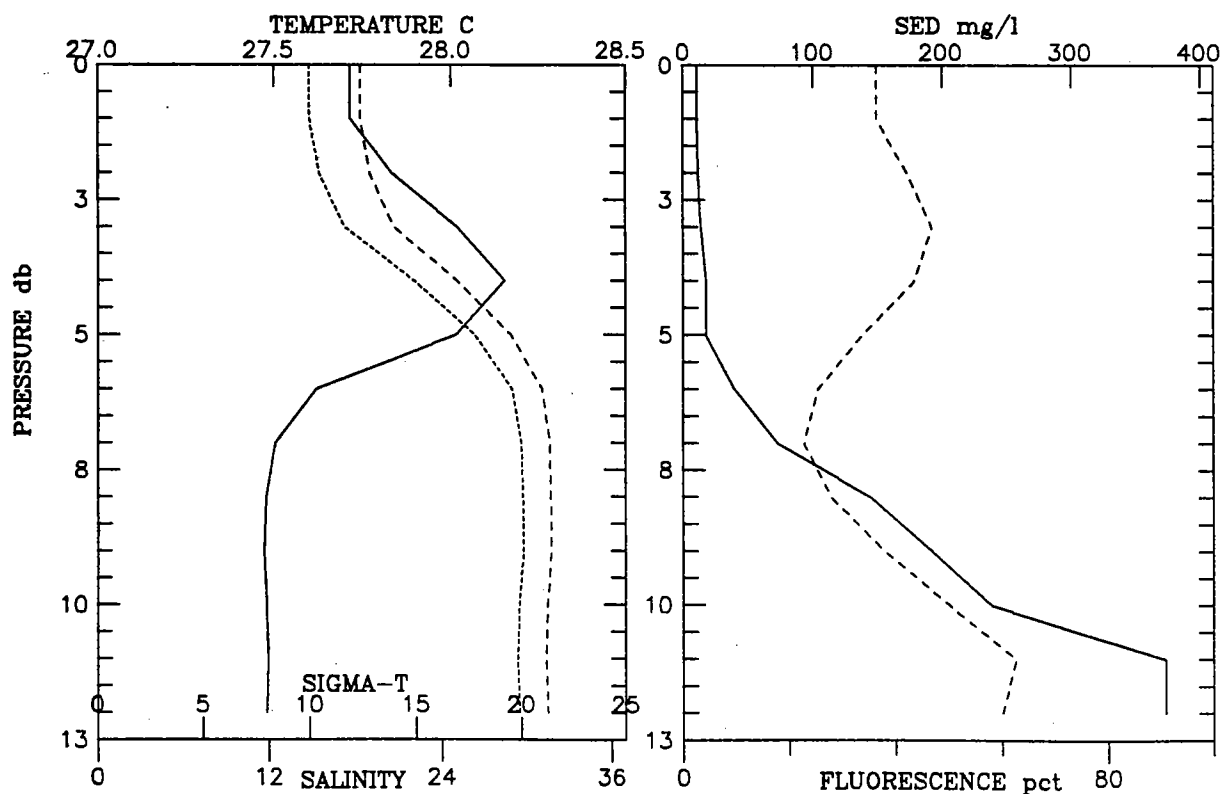
Cruise I9113 Leg 4 Station # 29 Depth m:12 Time: 1991-11-18 05:56  
 Position: 2° 17.54'N 49° 37.68'W Depth Deck Offset: 1.25 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.406	20.910	12.023	0.0000	0.000	42.9	7.5
1.0	27.405	20.909	12.022	0.0155	0.000	42.9	7.5
2.0	27.569	21.472	12.393	0.0308	0.000	54.2	15.8
3.0	27.718	23.463	13.835	0.0452	0.000	56.7	58.5
4.0	27.914	26.312	15.906	0.0579	0.000	56.9	213.2
5.0	28.000	28.413	17.452	0.0689	0.000	66.7	372.7
6.0	28.002	29.177	18.024	0.0788	0.000	71.1	372.7
7.0	27.978	29.437	18.227	0.0884	0.000	74.6	400.0
8.0	27.964	29.540	18.308	0.0978	0.000	75.7	400.0



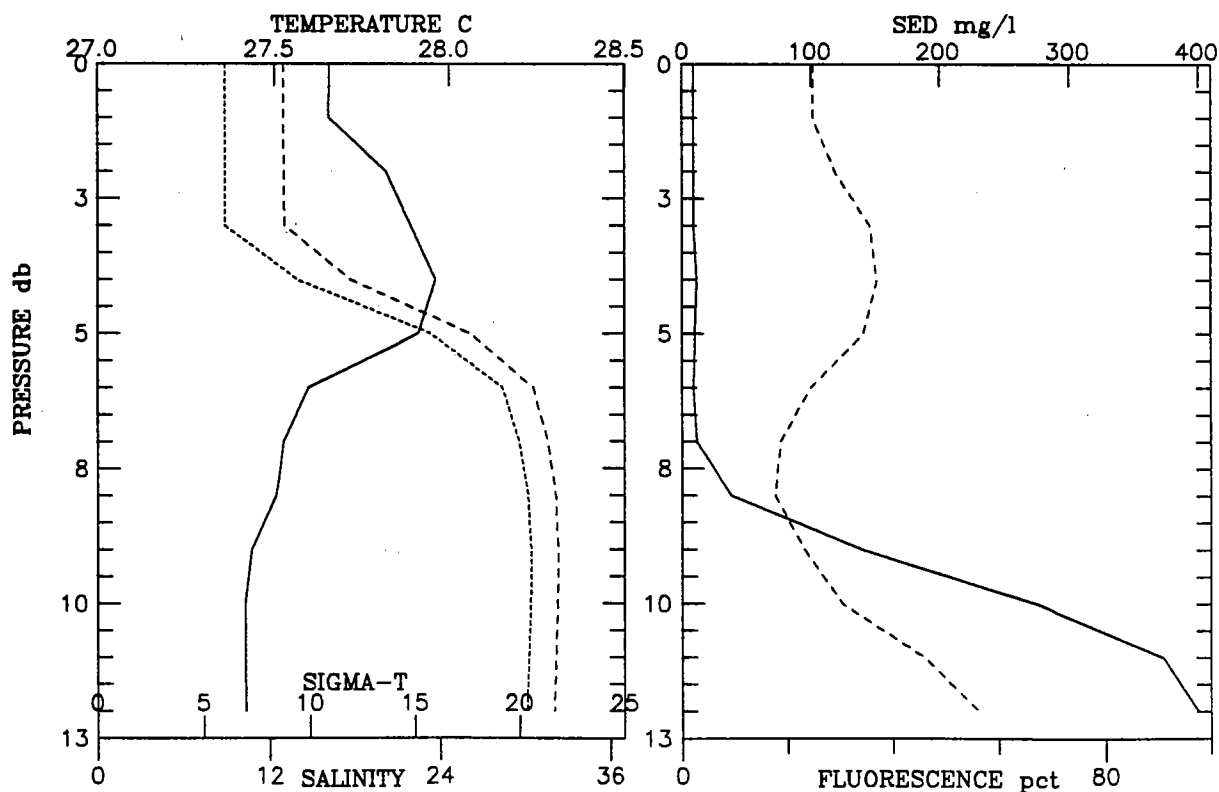
Cruise 19113 Leg 4 Station # 30 Depth m:17 Time: 1991-11-18 06:55  
 Position: 2° 17.33'N 49° 45.71'W Depth Deck Offset: 1.25 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.716	18.353	10.019	0.0000	0.000	36.4	10.7
1.0	27.716	18.353	10.019	0.0174	0.000	36.4	10.7
2.0	27.831	18.995	10.463	0.0347	0.000	42.2	11.7
3.0	28.017	20.675	11.660	0.0511	0.000	46.8	13.5
4.0	28.153	25.105	14.928	0.0654	0.000	43.5	17.7
5.0	28.015	28.889	17.804	0.0766	0.000	33.7	17.5
6.0	27.620	31.076	19.571	0.0856	0.000	25.3	39.4
7.0	27.504	31.625	20.020	0.0936	0.000	22.8	72.6
8.0	27.479	31.703	20.086	0.1013	0.000	27.9	145.0
9.0	27.474	31.746	20.120	0.1090	0.000	38.0	192.2
10.0	27.480	31.468	19.909	0.1167	0.000	50.1	238.1
11.0	27.485	31.373	19.837	0.1246	0.000	62.6	372.7
12.0	27.481	31.482	19.920	0.1325	0.000	60.1	372.7



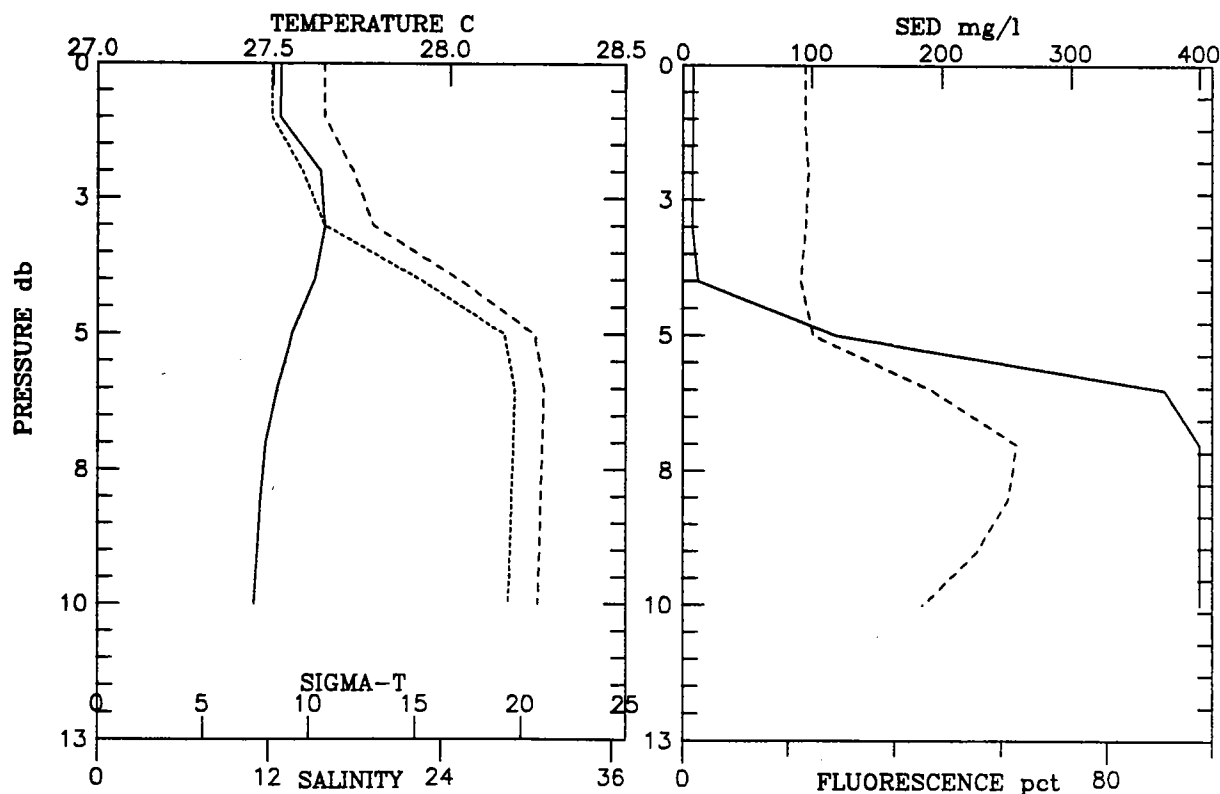
Cruise I9113 Leg 4 Station # 31 Depth m:15 Time: 1991-11-18 07:54  
 Position: 2° 17.51'N 49° 53.25'W Depth Deck Offset: 1.27 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.656	12.957	6.011	0.0000	0.000	24.8	8.9
1.0		27.656	12.956	6.011	0.0214	0.000	24.8	8.9
2.0		27.818	13.005	5.999	0.0428	0.000	29.0	8.9
3.0		27.889	13.061	6.019	0.0642	0.000	35.6	8.9
4.0		27.960	17.688	9.448	0.0839	0.000	36.9	11.4
5.0		27.911	26.166	15.798	0.0988	0.000	34.3	9.7
6.0		27.597	30.589	19.213	0.1089	0.000	24.3	8.9
7.0		27.526	31.593	19.990	0.1171	0.000	18.6	11.2
8.0		27.503	32.141	20.409	0.1247	0.000	17.6	38.1
9.0		27.435	32.299	20.549	0.1320	0.000	23.2	140.3
10.0		27.416	32.279	20.540	0.1392	0.000	30.4	275.7
11.0		27.416	32.154	20.446	0.1465	0.000	46.0	372.7
12.0		27.418	32.037	20.358	0.1539	0.000	56.2	400.0



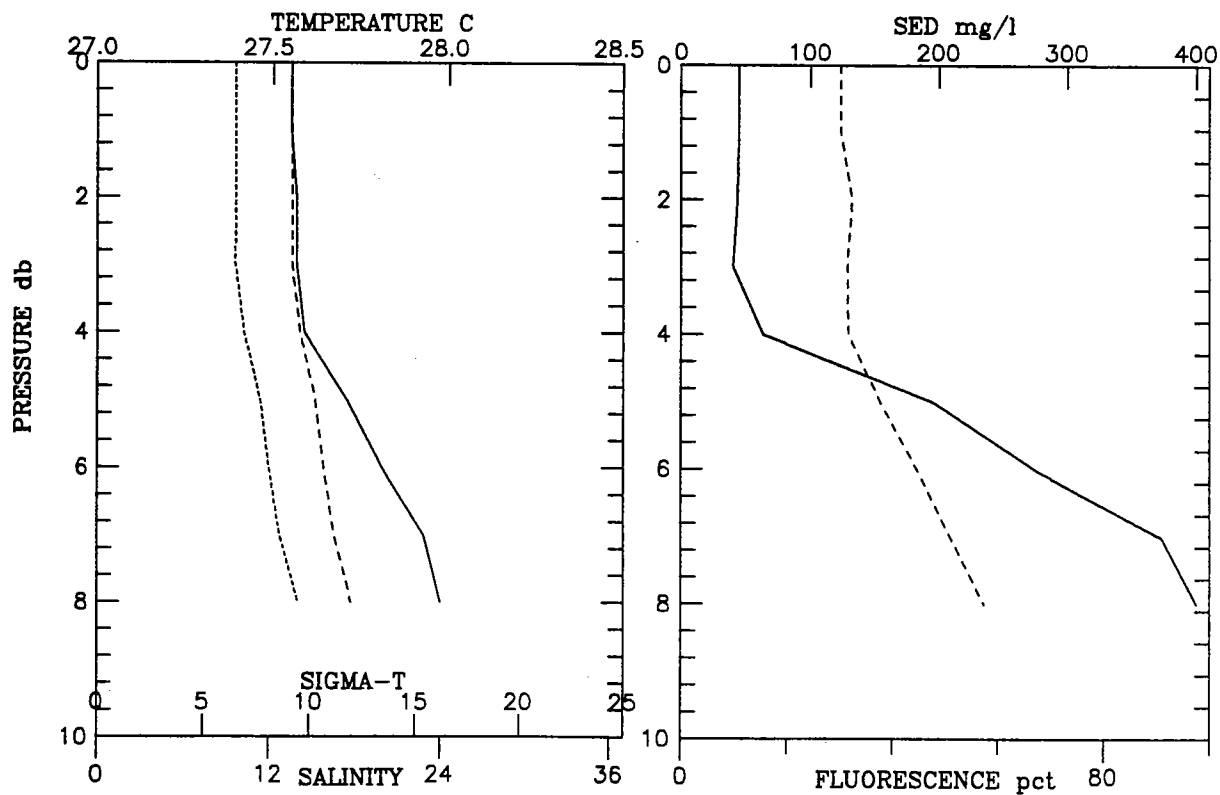
Cruise I9113 Leg 4 Station # 32 Depth m:13 Time: 1991-11-18 09:23  
 Position: 2° 17.59'N 50° 1.06'W Depth Deck Offset: 1.18 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.521	15.956	8.288	0.0000	0.000	23.2	7.9
1.0		27.521	15.956	8.289	0.0191	0.000	23.2	7.9
2.0		27.635	17.942	9.736	0.0376	0.000	23.8	7.3
3.0		27.648	19.343	10.778	0.0548	0.000	23.3	7.3
4.0		27.619	25.370	15.294	0.0693	0.000	22.4	11.8
5.0		27.553	30.597	19.233	0.0797	0.000	24.8	119.6
6.0		27.511	31.219	19.713	0.0880	0.000	47.0	372.7
7.0		27.479	31.131	19.658	0.0960	0.000	62.9	400.0
8.0		27.464	31.000	19.564	0.1042	0.000	61.3	400.0
9.0		27.455	30.912	19.501	0.1124	0.000	55.4	400.0
10.0		27.445	30.776	19.402	0.1207	0.000	45.2	400.0



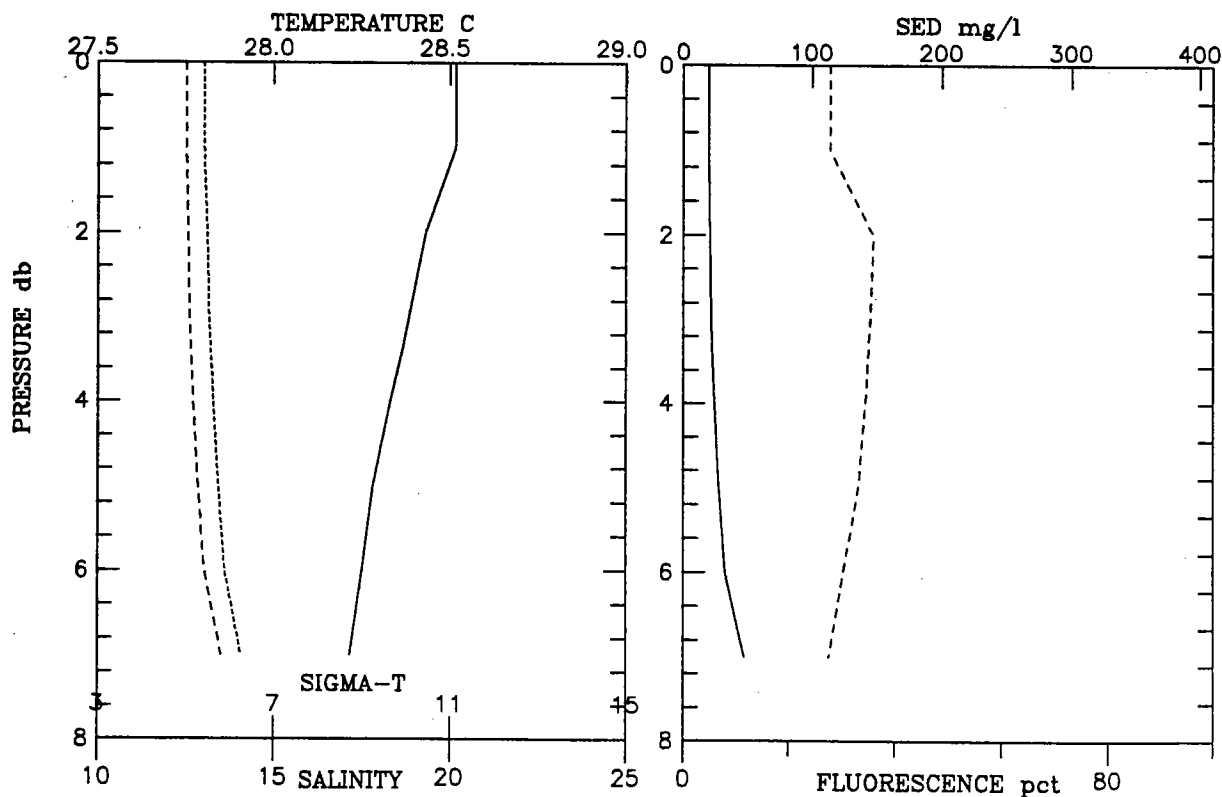
Cruise I9113 Leg 4 Station # 33 Depth m:10 Time: 1991-11-18 10:31  
 Position: 2° 17.52'N 50° 9.10'W Depth Deck Offset: 1.33 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.552	13.647	6.557	0.0000	0.000	30.2	44.3
1.0		27.552	13.647	6.557	0.0209	0.000	30.2	44.3
2.0		27.566	13.643	6.549	0.0417	0.000	32.3	43.4
3.0		27.566	13.628	6.538	0.0626	0.000	31.4	40.1
4.0		27.587	14.201	6.959	0.0832	0.000	31.6	63.3
5.0		27.708	15.267	7.718	0.1033	0.000	37.7	196.2
6.0		27.808	15.837	8.113	0.1228	0.000	44.7	275.7
7.0		27.925	16.584	8.635	0.1419	0.000	51.0	372.7
8.0		27.974	17.752	9.491	0.1603	0.000	57.4	400.0



Cruise I9113 Leg 4 Station # 34.01 Depth m:9 Time: 1991-11-18 14:42  
 Position: 2° 53.59'N 50° 42.55'W Depth Deck Offset: 1.80 Fish 1

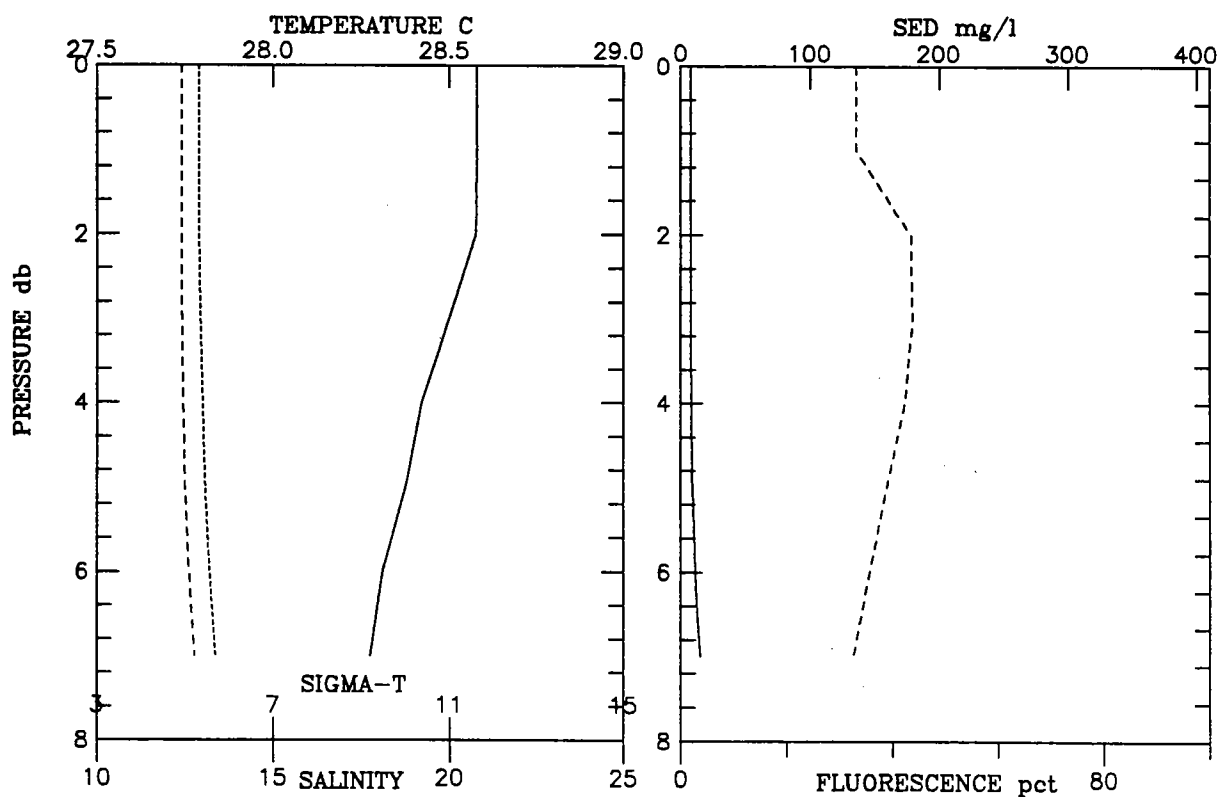
PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.517	12.512	5.421	0.0000	0.000	27.8	19.5
1.0		28.516	12.512	5.421	0.0220	0.000	27.8	19.5
2.0		28.432	12.573	5.492	0.0439	0.000	36.0	20.7
3.0		28.383	12.604	5.530	0.0658	0.000	35.4	21.4
4.0		28.331	12.714	5.628	0.0876	0.000	34.5	24.2
5.0		28.281	12.851	5.745	0.1093	0.000	33.2	27.6
6.0		28.252	13.039	5.894	0.1309	0.000	30.3	32.4
7.0		28.218	13.519	6.262	0.1522	0.000	27.6	47.3





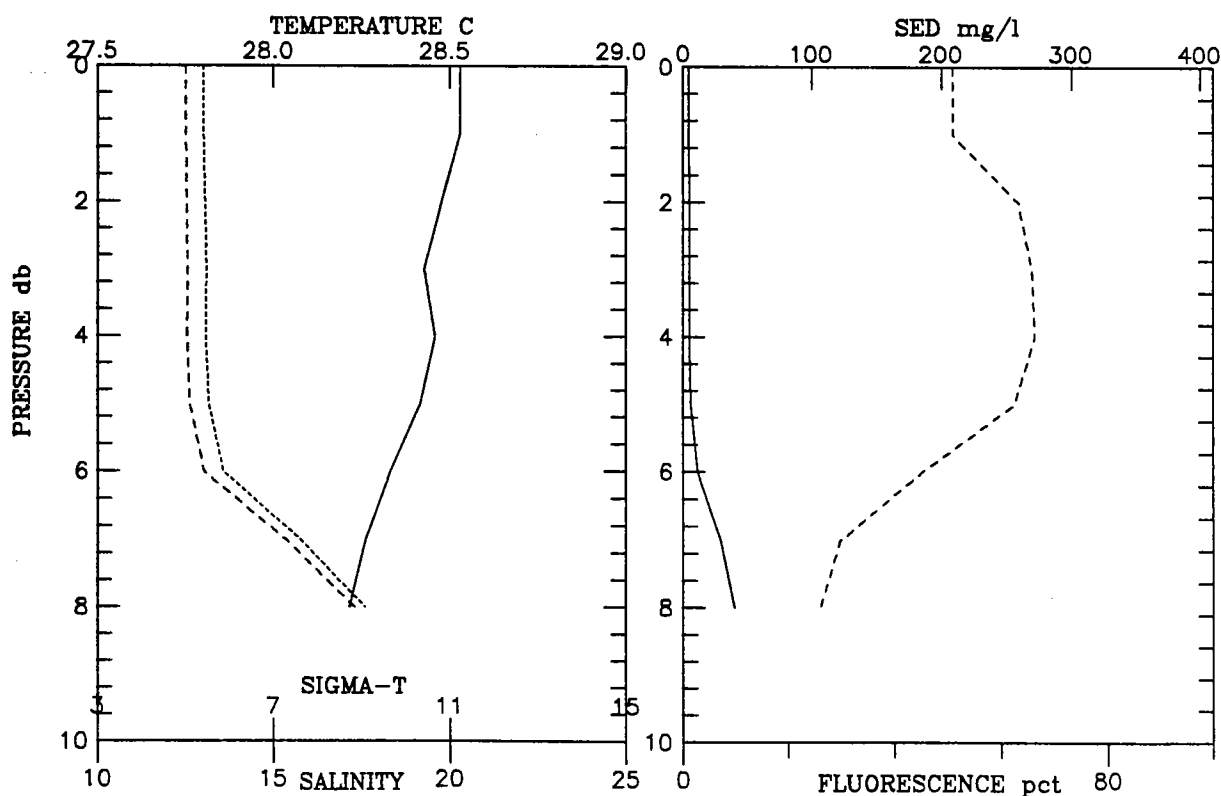
Cruise I9113 Leg 4 Station # 34.02 Depth m: Time: 1991-11-18 15:43  
 Position: 2° 53.58'N 50° 42.57'W Depth Deck Offset: 1.55 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.579	12.417	5.331	0.0000	0.000	33.1	7.6
1.0	28.579	12.417	5.331	0.0221	0.000	33.1	7.6
2.0	28.574	12.415	5.331	0.0441	0.000	43.4	7.7
3.0	28.499	12.431	5.366	0.0662	0.000	43.7	7.9
4.0	28.421	12.465	5.415	0.0882	0.000	42.2	8.3
5.0	28.375	12.519	5.469	0.1101	0.000	38.8	9.3
6.0	28.311	12.629	5.571	0.1320	0.000	35.5	11.0
7.0	28.275	12.795	5.705	0.1538	0.000	32.5	15.0



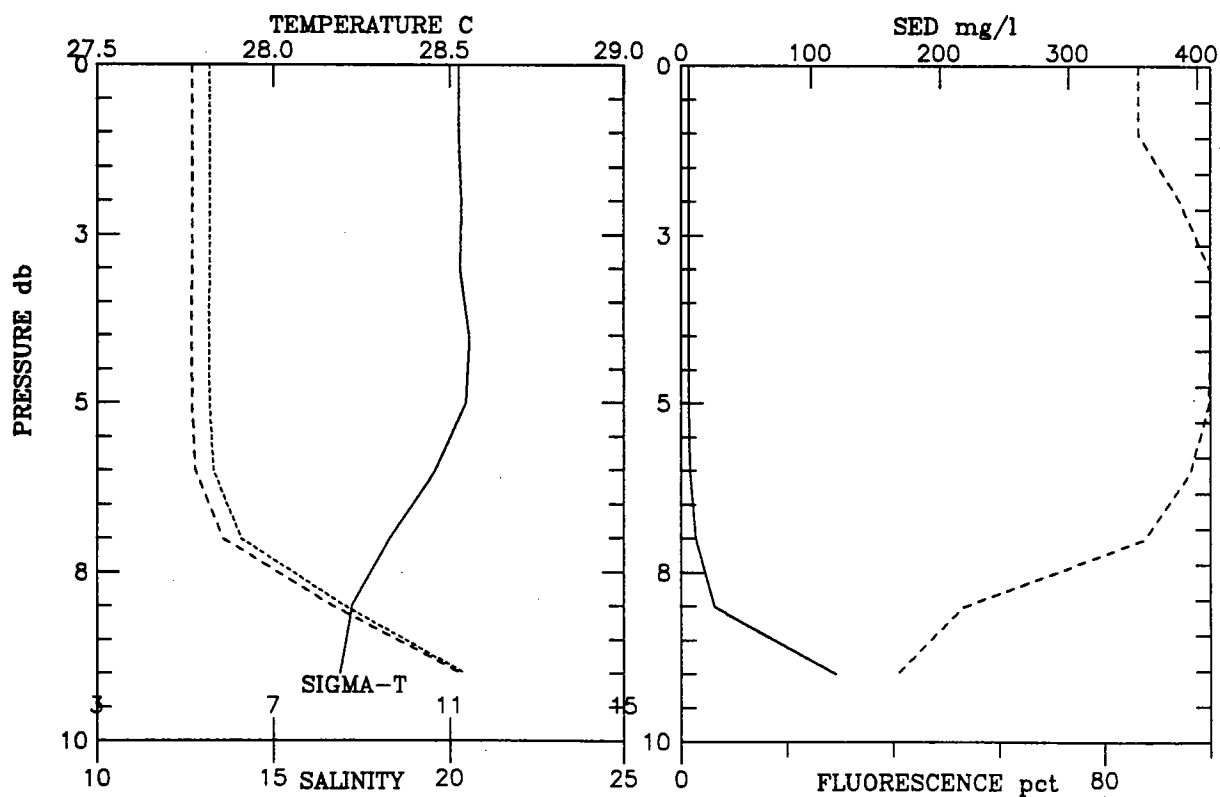
Cruise I9113 Leg 4 Station # 34.03 Depth m:12 Time: 1991-11-18 16:48  
 Position: 2° 53.59'N 50° 42.57'W Depth Deck Offset: 1.48 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.530	12.519	5.422	0.0000	0.000	50.9	4.5
1.0		28.529	12.519	5.422	0.0220	0.000	50.9	4.5
2.0		28.476	12.543	5.456	0.0439	0.000	63.2	4.7
3.0		28.429	12.568	5.489	0.0658	0.000	65.7	4.8
4.0		28.459	12.558	5.473	0.0878	0.000	66.2	4.7
5.0		28.416	12.633	5.542	0.1097	0.000	62.3	5.5
6.0		28.331	13.037	5.868	0.1313	0.000	44.9	11.3
7.0		28.262	15.362	7.621	0.1520	0.000	29.8	29.2
8.0		28.218	17.318	9.093	0.1711	0.000	26.0	39.8



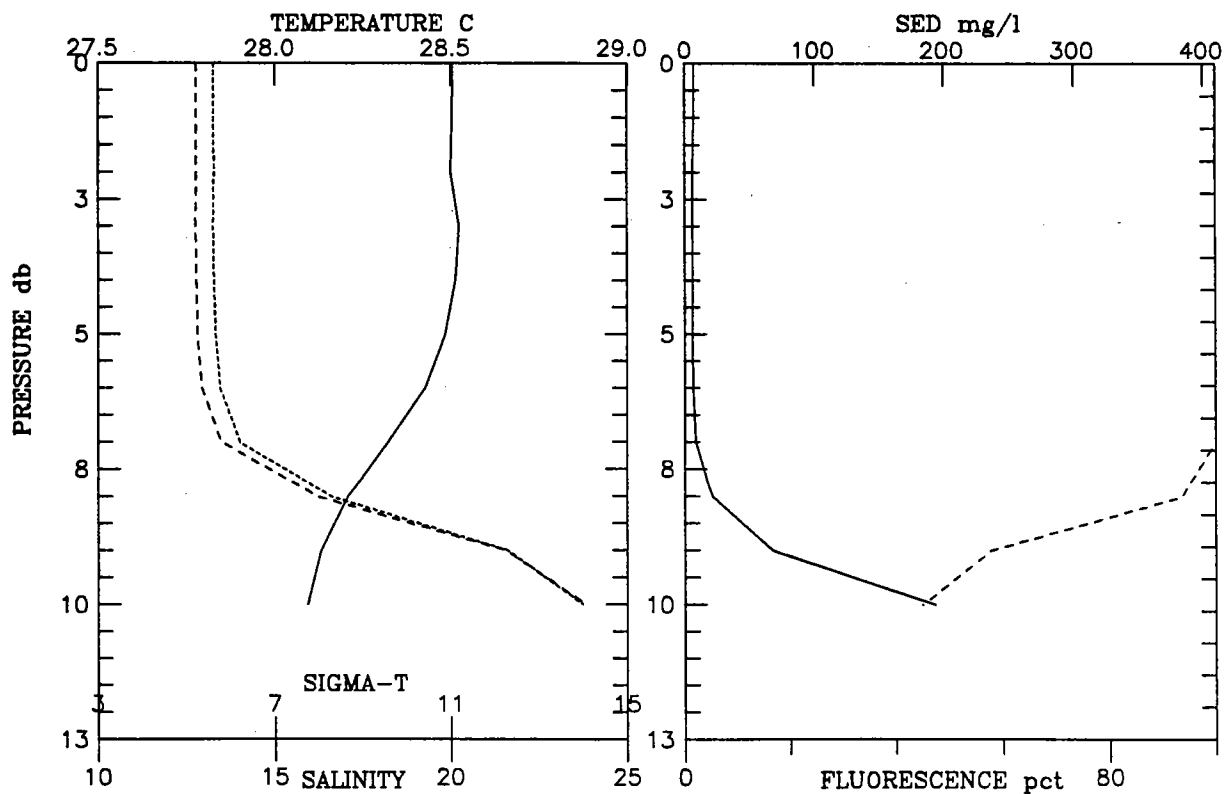
Cruise I9113 Leg 4 Station # 34.04 Depth m:12 Time: 1991-11-18 17:50  
 Position: 2° 53.57'N 50° 42.59'W Depth Deck Offset: 1.43 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.526	12.709	5.565	0.0000	0.000	86.4	6.0
1.0	28.526	12.709	5.565	0.0218	0.000	86.4	6.0
2.0	28.534	12.713	5.565	0.0437	0.000	94.4	6.0
3.0	28.531	12.707	5.562	0.0655	0.000	100.0	5.9
4.0	28.554	12.690	5.542	0.0873	0.000	100.0	5.8
5.0	28.545	12.709	5.559	0.1092	0.000	99.7	6.0
6.0	28.459	12.800	5.653	0.1310	0.000	96.3	6.6
7.0	28.329	13.580	6.273	0.1524	0.000	87.6	11.0
8.0	28.221	16.690	8.623	0.1724	0.000	53.1	25.5
9.0	28.188	20.311	11.335	0.1899	0.000	40.7	119.6



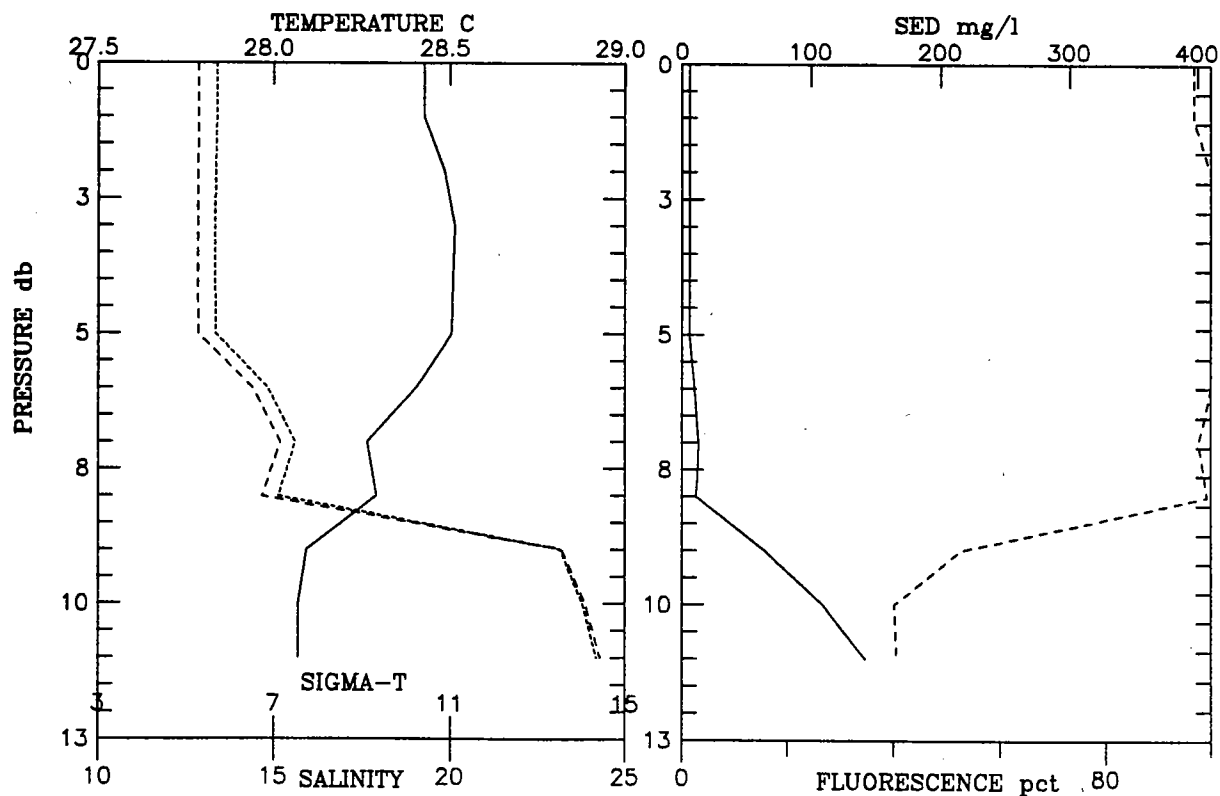
Cruise I9113 Leg 4 Station # 34.05 Depth m:14 Time: 1991-11-18 18:48  
 Position: 2° 53.57'N 50° 42.55'W Depth Deck Offset: 1.35 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.505	12.761	5.610	0.0000	0.000	99.9	6.5
1.0		28.505	12.761	5.610	0.0218	0.000	99.9	6.5
2.0		28.500	12.771	5.619	0.0436	0.000	99.9	5.7
3.0		28.525	12.751	5.596	0.0654	0.000	100.0	5.6
4.0		28.513	12.776	5.618	0.0871	0.000	100.0	5.6
5.0		28.484	12.811	5.653	0.1089	0.000	100.0	5.8
6.0		28.427	12.931	5.760	0.1306	0.000	100.0	6.2
7.0		28.322	13.479	6.200	0.1520	0.000	100.0	8.4
8.0		28.208	16.223	8.279	0.1722	0.000	93.5	21.0
9.0		28.132	21.553	12.279	0.1894	0.000	57.7	67.9
10.0		28.093	23.820	13.986	0.2038	0.000	45.0	194.2



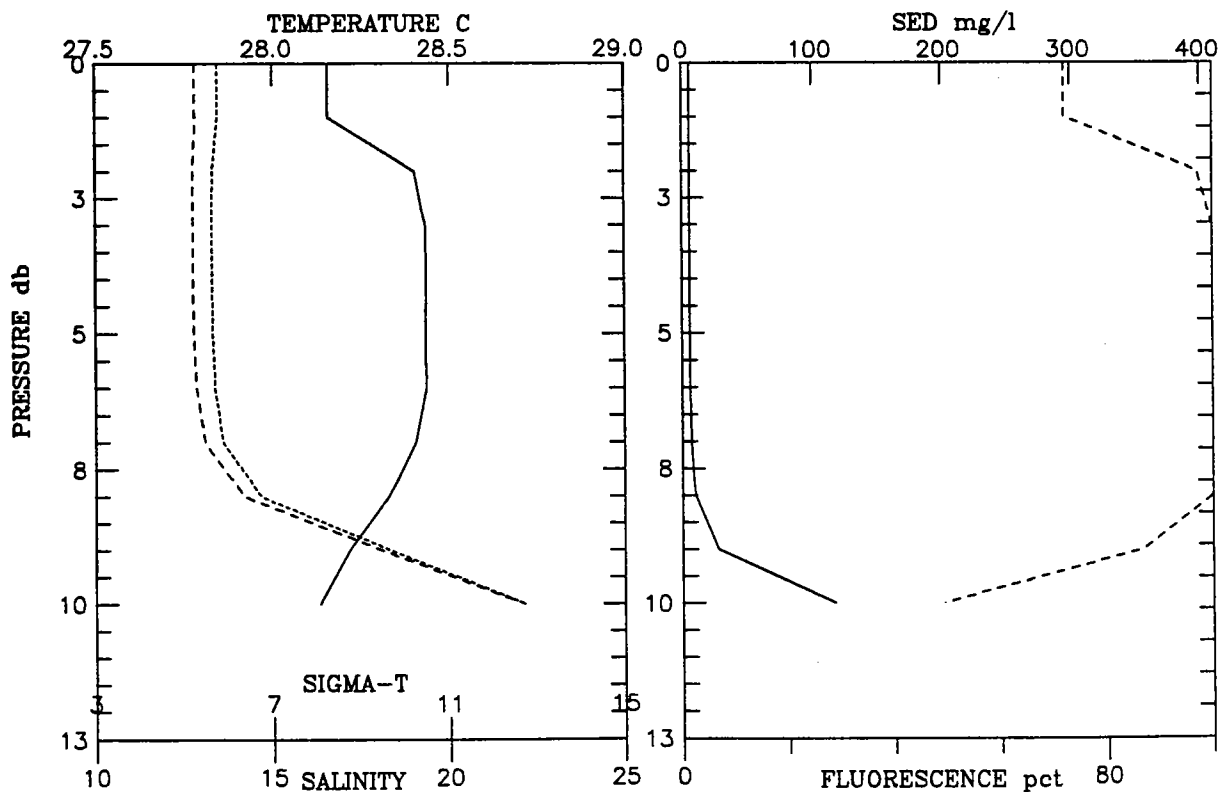
Cruise I9113 Leg 4 Station # 34.06 Depth m:14 Time: 1991-11-18 19:46  
 Position: 2° 53.60'N 50° 42.56'W Depth Deck Offset: 1.62 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.427	12.861	5.708	0.0000	0.000	96.8	5.6
1.0		28.427	12.861	5.708	0.0217	0.000	96.8	5.6
2.0		28.485	12.845	5.678	0.0434	0.000	100.0	5.8
3.0		28.513	12.841	5.667	0.0651	0.000	100.0	5.8
4.0		28.508	12.843	5.670	0.0868	0.000	100.0	5.8
5.0		28.504	12.857	5.682	0.1086	0.000	100.0	5.8
6.0		28.402	14.416	6.874	0.1297	0.000	100.0	9.5
7.0		28.263	15.190	7.493	0.1499	0.000	97.7	12.5
8.0		28.289	14.680	7.105	0.1701	0.000	99.3	10.7
9.0		28.094	23.180	13.507	0.1872	0.000	52.5	64.3
10.0		28.070	23.845	14.011	0.2010	0.000	40.1	109.1
11.0		28.069	24.275	14.333	0.2144	0.000	40.5	141.8



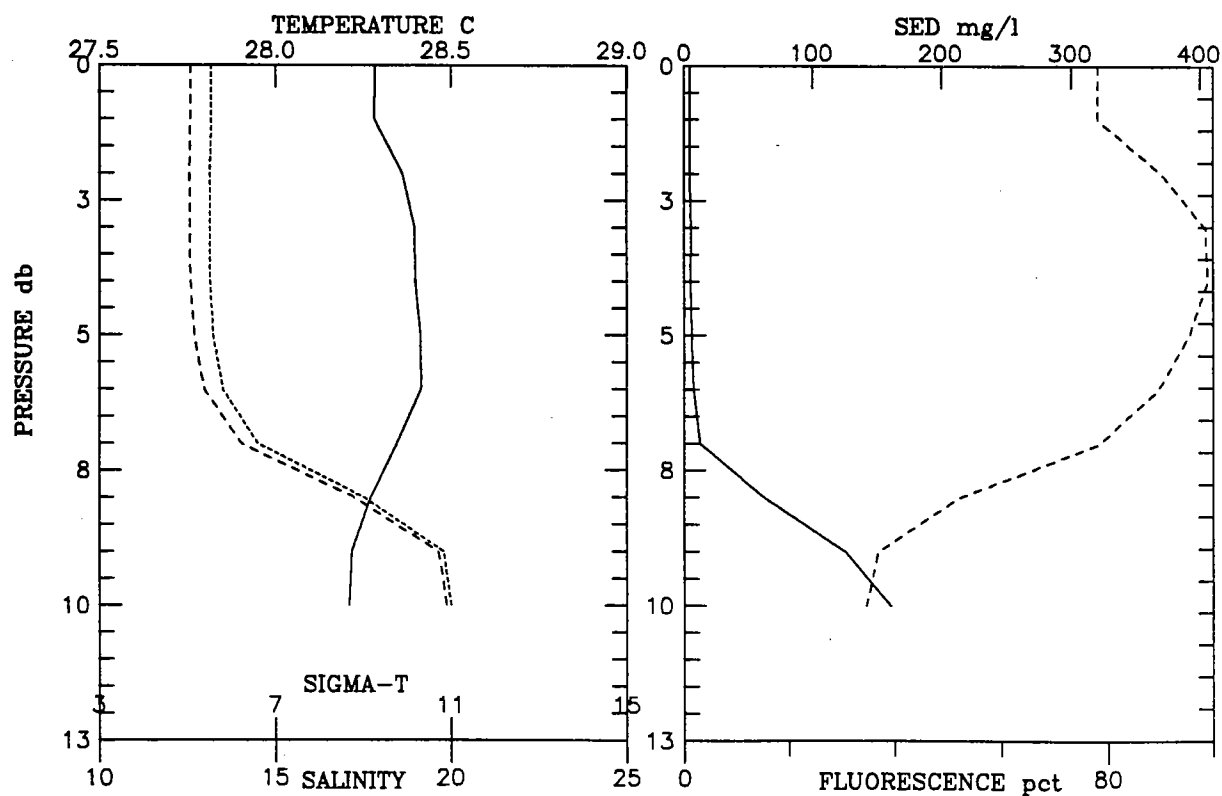
Cruise I9113 Leg 4 Station # 34.07 Depth m:14 Time: 1991-11-18 20:46  
 Position: 2° 53.64'N 50° 42.54'W Depth Deck Offset: 1.48 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.157	12.829	5.766	0.0000	0.000	72.1	5.6
1.0		28.156	12.829	5.766	0.0216	0.000	72.1	5.6
2.0		28.402	12.769	5.647	0.0433	0.000	97.1	5.7
3.0		28.433	12.759	5.630	0.0651	0.000	100.0	5.7
4.0		28.436	12.767	5.635	0.0868	0.000	100.0	5.8
5.0		28.433	12.790	5.653	0.1086	0.000	100.0	5.8
6.0		28.436	12.857	5.702	0.1303	0.000	100.0	6.0
7.0		28.404	13.088	5.884	0.1519	0.000	100.0	6.8
8.0		28.327	14.210	6.743	0.1730	0.000	100.0	9.9
9.0		28.215	18.064	9.650	0.1923	0.000	86.9	27.3
10.0		28.132	22.142	12.719	0.2086	0.000	49.3	117.6



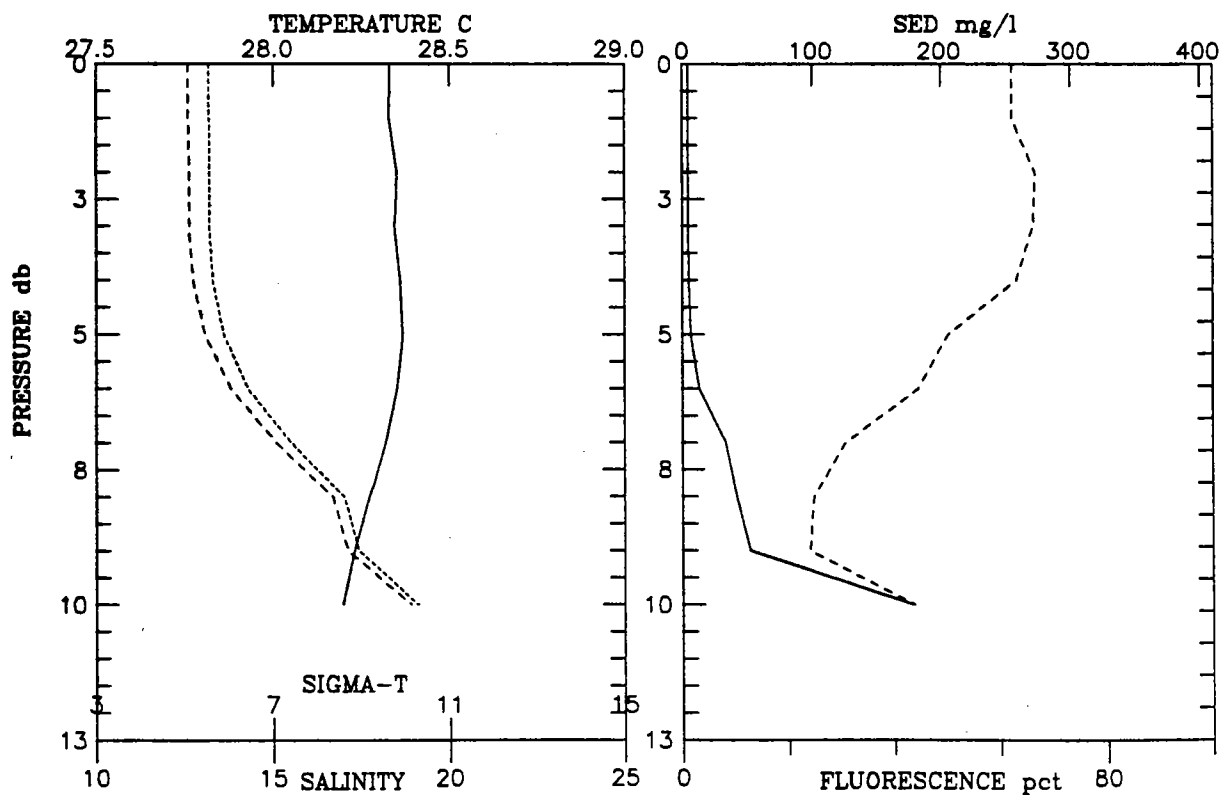
Cruise I9113 Leg 4 Station # 34.08 Depth m:14 Time: 1991-11-18 21:49  
 Position: 2° 53.64'N 50° 42.51'W Depth Deck Offset: 1.25 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.284	12.578	5.541	0.0000	0.000	78.2	4.4
1.0		28.283	12.578	5.541	0.0219	0.000	78.2	4.4
2.0		28.362	12.557	5.501	0.0437	0.000	90.3	4.5
3.0		28.397	12.575	5.504	0.0656	0.000	98.6	5.0
4.0		28.399	12.578	5.506	0.0875	0.000	98.9	4.9
5.0		28.414	12.688	5.583	0.1094	0.000	95.4	5.5
6.0		28.415	12.974	5.796	0.1311	0.000	89.4	7.0
7.0		28.346	14.019	6.595	0.1523	0.000	78.2	12.4
8.0		28.272	17.243	9.020	0.1719	0.000	51.8	62.4
9.0		28.218	19.650	10.832	0.1894	0.000	36.8	126.1
10.0		28.209	19.883	11.009	0.2060	0.000	34.6	160.8



Cruise I9113 Leg 4 Station # 34.09 Depth m:12 Time: 1991-11-18 22:50  
 Position: 2° 53.64'N 50° 42.52'W Depth Deck Offset: 1.25 Fish 1

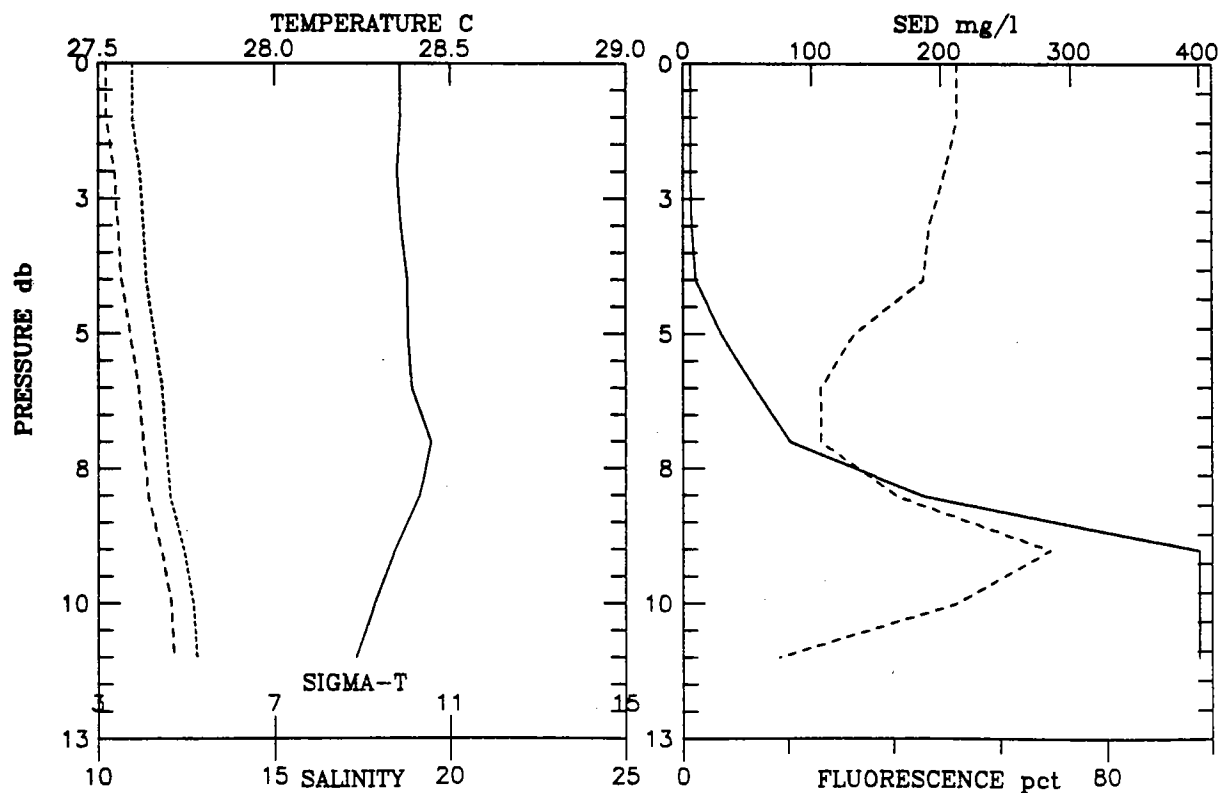
PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.329	12.615	5.554	0.0000	0.000	62.3	4.0
1.0	28.329	12.615	5.554	0.0218	0.000	62.3	4.0
2.0	28.350	12.644	5.570	0.0437	0.000	66.6	4.2
3.0	28.343	12.632	5.563	0.0655	0.000	66.2	4.2
4.0	28.359	12.744	5.641	0.0873	0.000	63.0	4.7
5.0	28.367	13.083	5.891	0.1089	0.000	50.1	6.1
6.0	28.349	13.813	6.440	0.1302	0.000	44.4	12.6
7.0	28.317	15.089	7.401	0.1507	0.000	30.6	32.9
8.0	28.269	16.672	8.595	0.1701	0.000	24.7	41.8
9.0	28.227	17.100	8.927	0.1888	0.000	23.9	52.1
10.0	28.196	18.892	10.273	0.2066	0.000	43.7	178.6





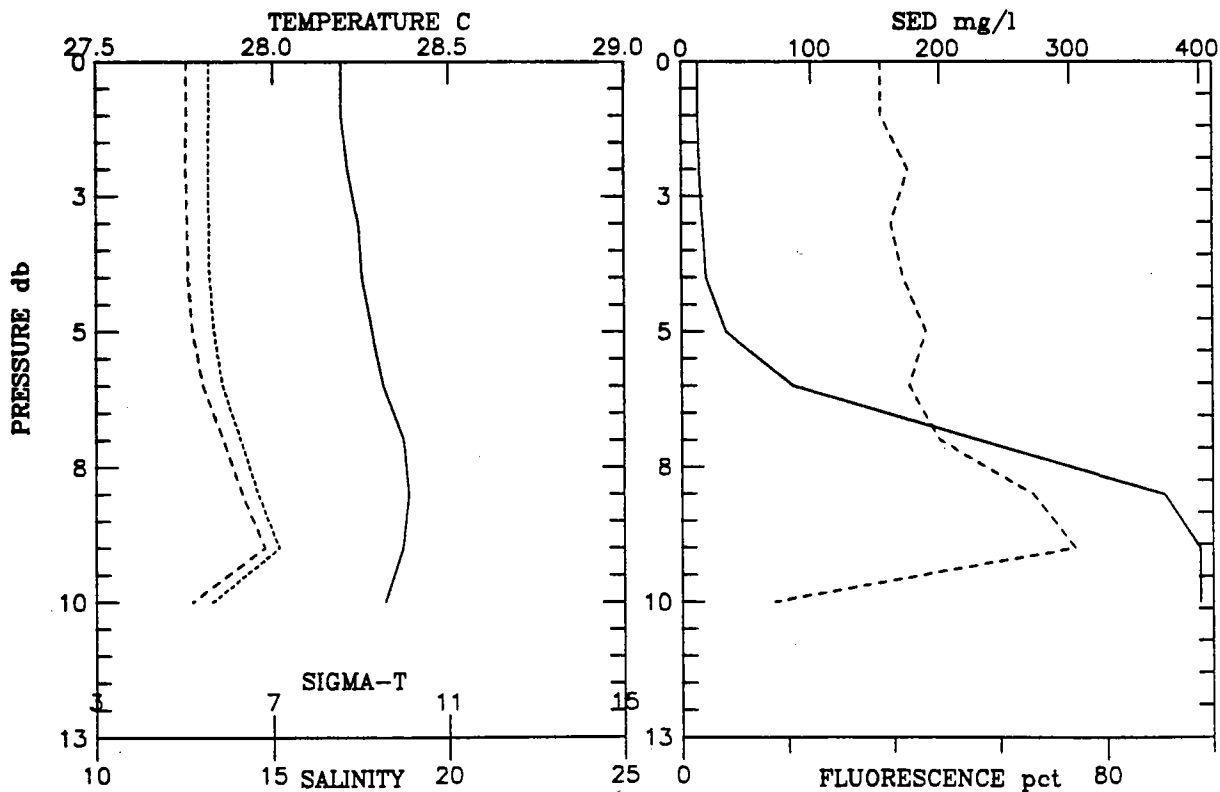
Cruise I9113 Leg 4 Station # 34.10 Depth m:10.8 Time: 1991-11-18 23:49  
 Position: 2° 53.75'N 50° 42.48'W Depth Deck Offset: 1.27 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.359	10.226	3.766	0.0000	0.000	51.9	6.0
1.0	28.359	10.226	3.766	0.0236	0.000	51.9	6.0
2.0	28.351	10.455	3.939	0.0471	0.000	49.6	5.8
3.0	28.361	10.567	4.020	0.0705	0.000	46.6	6.6
4.0	28.378	10.656	4.081	0.0939	0.000	45.5	9.5
5.0	28.380	10.908	4.268	0.1171	0.000	32.5	29.8
6.0	28.391	11.142	4.439	0.1401	0.000	26.2	55.9
7.0	28.446	11.271	4.518	0.1630	0.000	26.3	83.9
8.0	28.414	11.402	4.625	0.1858	0.000	40.6	186.7
9.0	28.344	11.784	4.931	0.2084	0.000	69.4	400.0
10.0	28.286	12.058	5.152	0.2308	0.000	51.8	400.0
11.0	28.233	12.140	5.229	0.2530	0.000	18.3	400.0



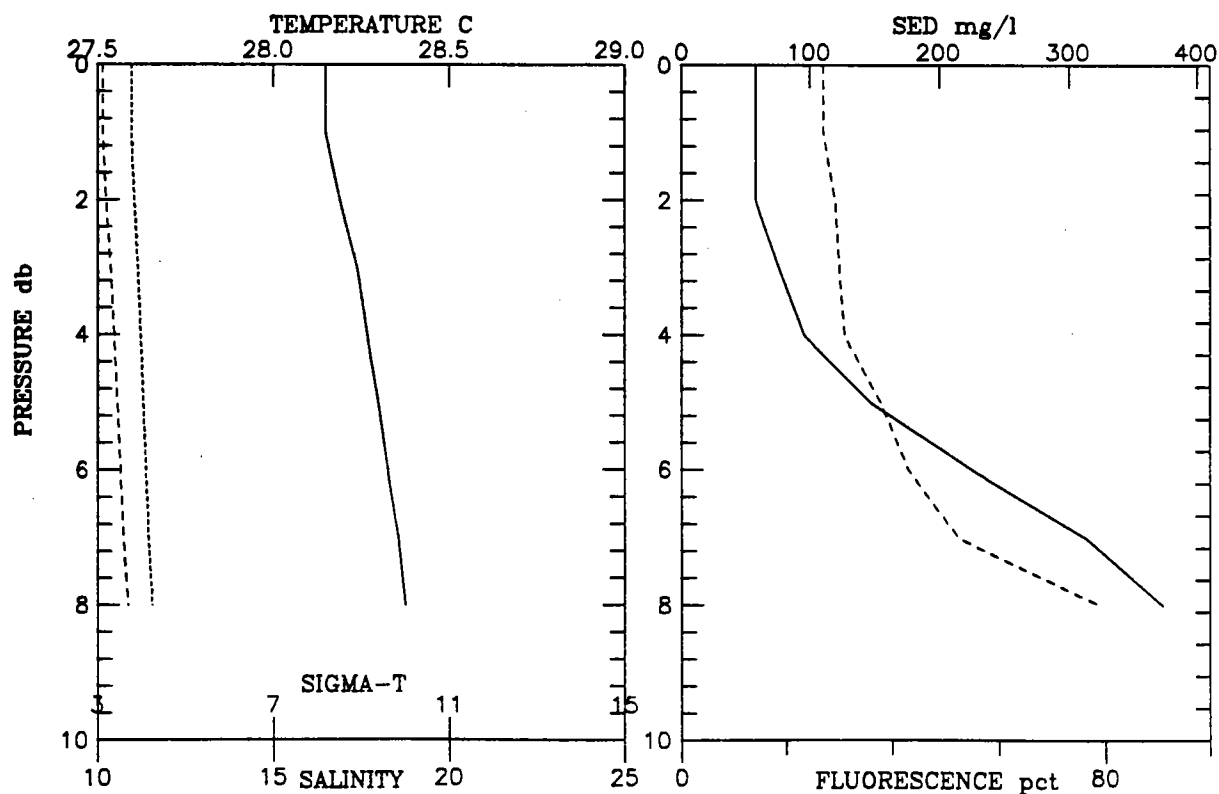
Cruise I9113 Leg 4 Station # 34.11 Depth m:10.0 Time: 1991-11-19 00:52  
 Position: 2° 53.75'N 50° 42.50'W Depth Deck Offset: 1.25 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.195	12.565	5.557	0.0000	0.000	37.7	12.8
1.0	28.195	12.565	5.557	0.0218	0.000	37.7	12.8
2.0	28.214	12.553	5.543	0.0437	0.000	42.8	13.5
3.0	28.243	12.585	5.558	0.0655	0.000	39.6	15.9
4.0	28.253	12.611	5.574	0.0874	0.000	41.9	18.5
5.0	28.282	12.739	5.661	0.1091	0.000	46.1	33.8
6.0	28.314	13.022	5.862	0.1308	0.000	43.0	85.8
7.0	28.372	13.593	6.270	0.1521	0.000	48.8	229.8
8.0	28.387	14.126	6.662	0.1731	0.000	66.3	372.7
9.0	28.370	14.761	7.140	0.1936	0.000	74.2	400.0
10.0	28.319	12.712	5.629	0.2146	0.000	17.4	400.0



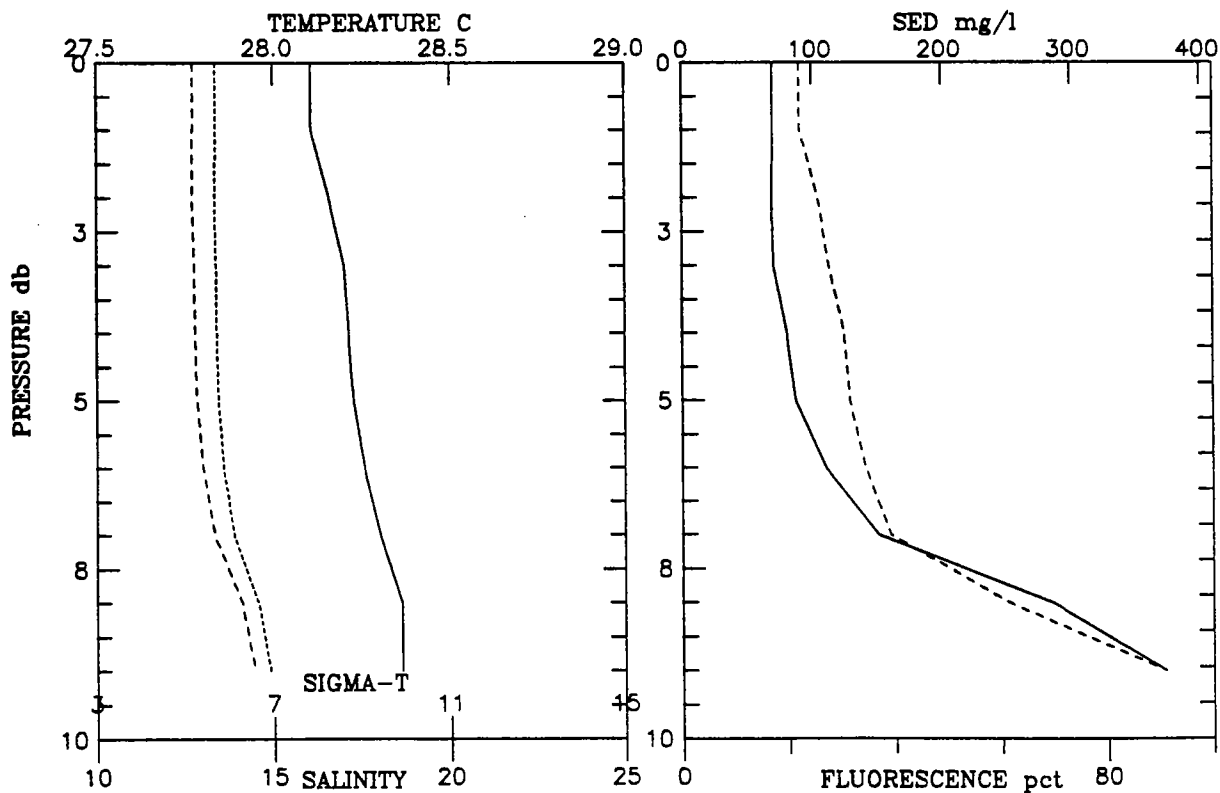
Cruise I9113 Leg 4 Station # 34.12 Depth m: Time: 1991-11-19 01:49  
 Position: 2° 53.70'N 50° 42.50'W Depth Deck Offset: 1.30 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.150	10.145	3.768	0.0000	0.000	27.0	57.7
1.0	28.150	10.145	3.768	0.0236	0.000	27.0	57.7
2.0	28.189	10.248	3.833	0.0472	0.000	29.2	58.1
3.0	28.238	10.373	3.912	0.0707	0.000	30.0	75.7
4.0	28.267	10.472	3.977	0.0941	0.000	31.0	95.8
5.0	28.299	10.567	4.038	0.1175	0.000	37.8	147.5
6.0	28.327	10.654	4.095	0.1408	0.000	43.1	226.0
7.0	28.356	10.737	4.148	0.1641	0.000	52.4	313.2
8.0	28.374	10.865	4.237	0.1873	0.000	79.1	372.7



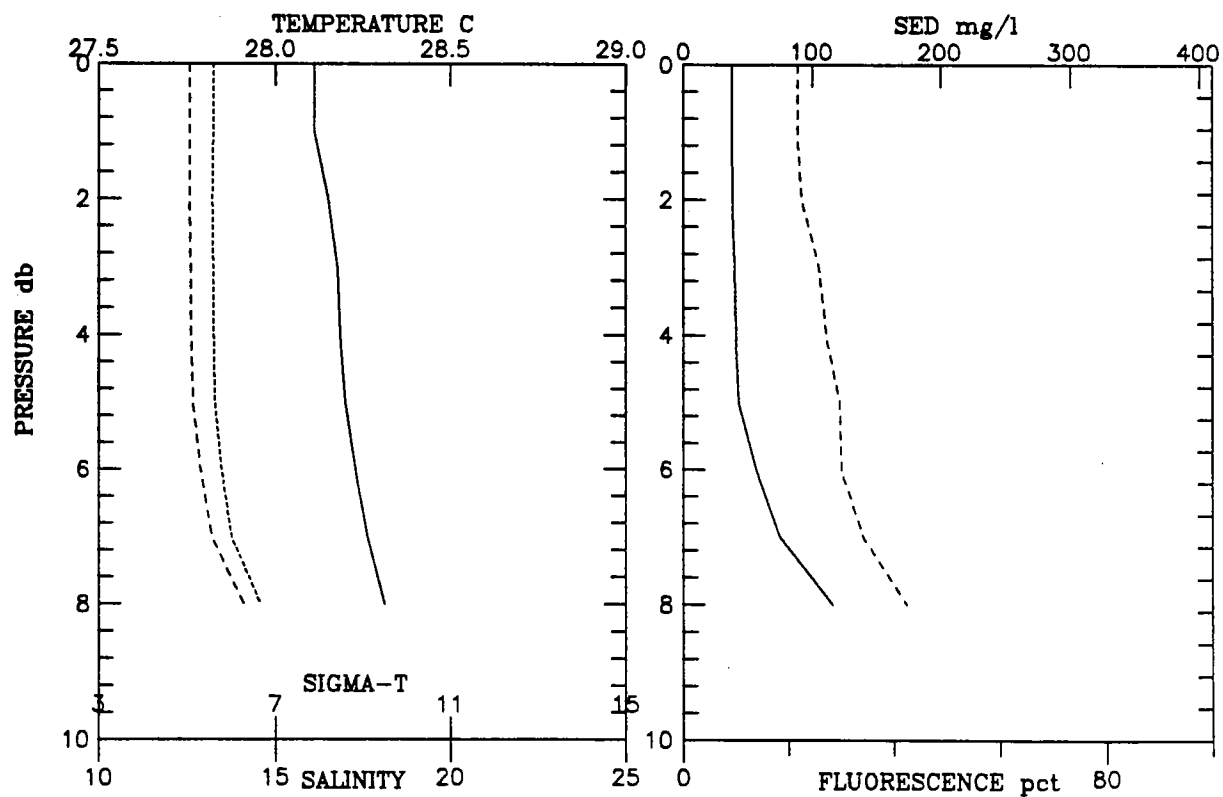
Cruise I9113 Leg 4 Station # 34.13 Depth m:9.0 Time: 1991-11-19 02:38  
 Position: 2° 53.73'N 50° 42.53'W Depth Deck Offset: 1.23 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.108	12.741	5.715	0.0000	0.000	22.2	70.1
1.0		28.108	12.741	5.715	0.0217	0.000	22.2	70.1
2.0		28.159	12.729	5.690	0.0434	0.000	25.6	69.5
3.0		28.200	12.782	5.717	0.0651	0.000	27.6	70.5
4.0		28.213	12.804	5.730	0.0867	0.000	30.5	80.6
5.0		28.226	12.853	5.763	0.1084	0.000	31.5	87.4
6.0		28.257	13.021	5.878	0.1300	0.000	34.4	110.8
7.0		28.300	13.347	6.108	0.1514	0.000	39.1	151.0
8.0		28.362	14.106	6.655	0.1724	0.000	61.4	285.5
9.0		28.363	14.469	6.925	0.1930	0.000	91.0	372.7



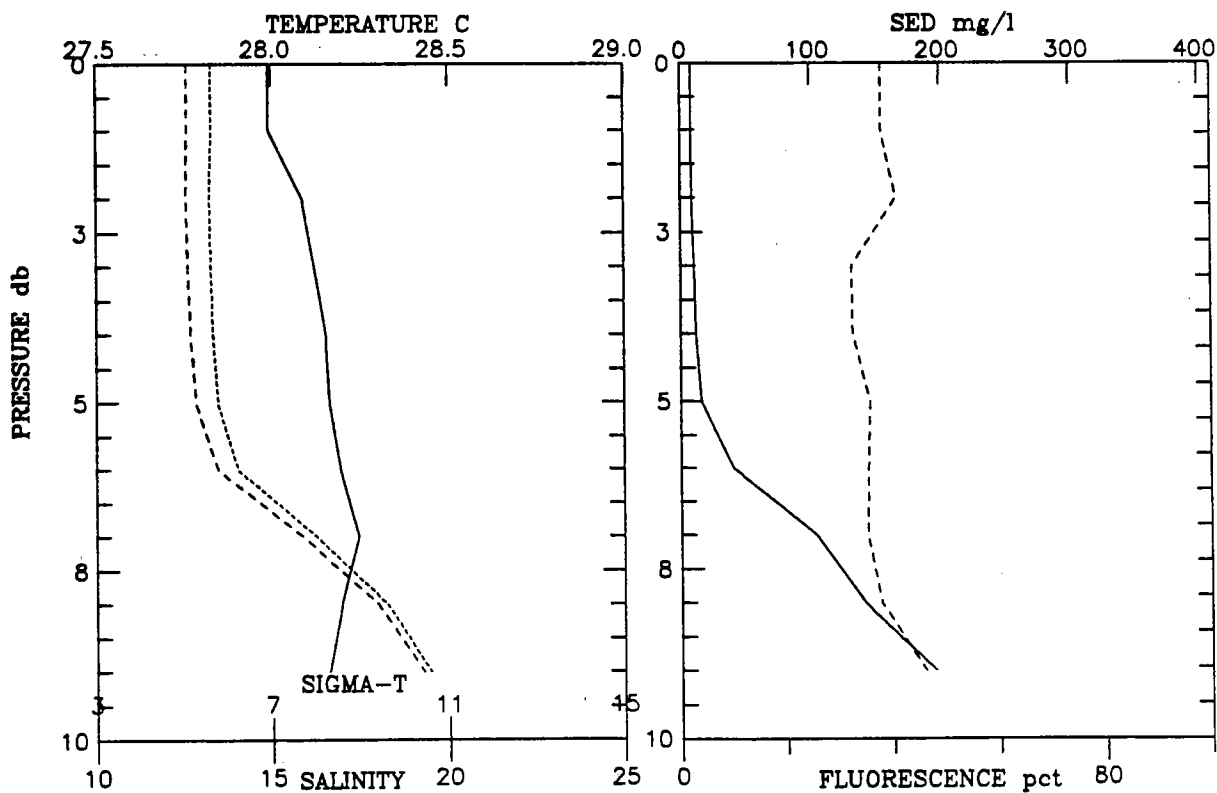
Cruise I9113 Leg 4 Station # 34.14 Depth m:10.5 Time: 1991-11-19 03:39  
 Position: 2° 53.71'N 50° 42.55'W Depth Deck Offset: 1.23 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.111	12.573	5.589	0.0000	0.000	21.6	37.6
1.0		28.111	12.573	5.589	0.0218	0.000	21.6	37.6
2.0		28.152	12.566	5.571	0.0436	0.000	22.4	38.1
3.0		28.177	12.597	5.587	0.0654	0.000	25.7	39.5
4.0		28.184	12.613	5.597	0.0872	0.000	27.1	40.4
5.0		28.199	12.663	5.629	0.1090	0.000	29.7	42.4
6.0		28.228	12.876	5.779	0.1307	0.000	30.0	56.5
7.0		28.263	13.199	6.009	0.1522	0.000	34.2	74.8
8.0		28.311	14.099	6.665	0.1733	0.000	42.4	116.2



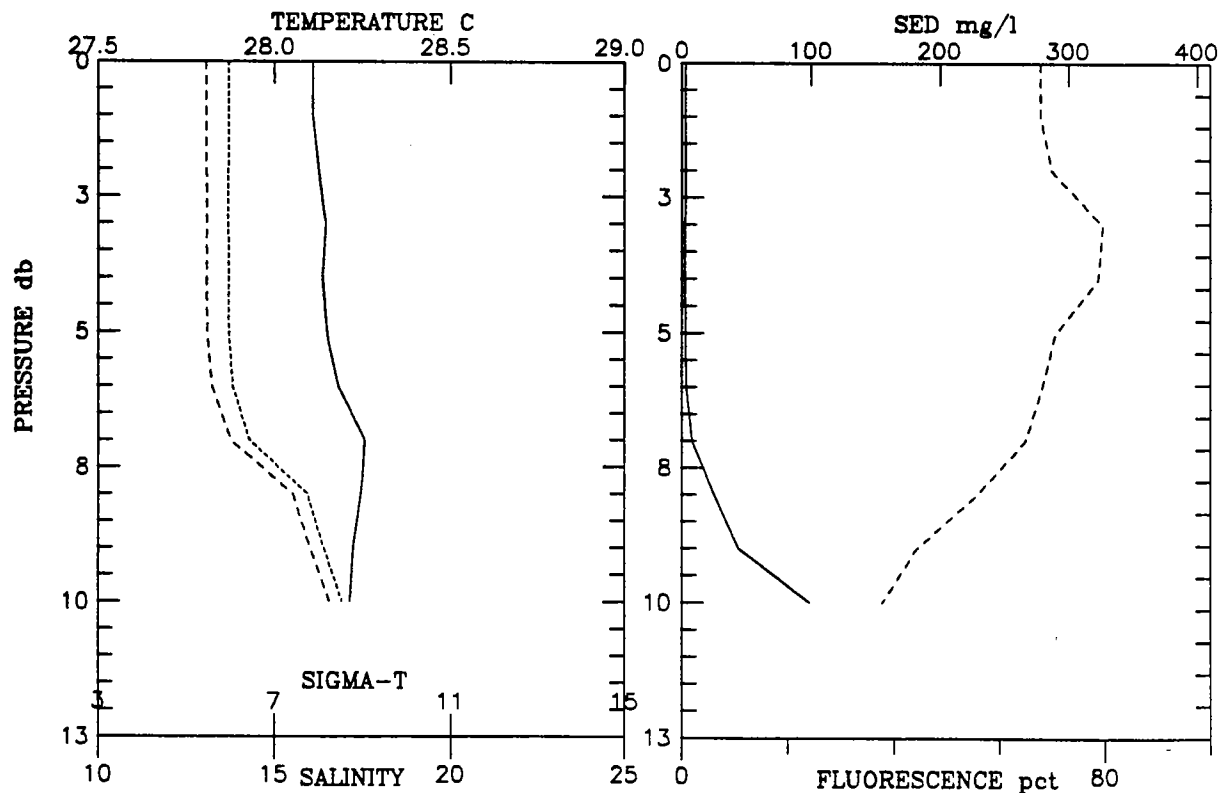
Cruise I9113 Leg 4 Station # 34.15 Depth m:12.4 Time: 1991-11-19 04:39  
 Position: 2° 53.65'N 50° 42.55'W Depth Deck Offset: 1.23 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.993	12.595	5.640	0.0000	0.000	37.9	8.4
1.0		27.993	12.595	5.640	0.0218	0.000	37.9	8.4
2.0		28.089	12.575	5.597	0.0435	0.000	40.7	8.8
3.0		28.123	12.624	5.623	0.0653	0.000	32.3	10.2
4.0		28.155	12.700	5.670	0.0871	0.000	32.5	11.5
5.0		28.164	12.847	5.777	0.1087	0.000	35.7	15.8
6.0		28.195	13.470	6.232	0.1301	0.000	35.4	40.6
7.0		28.246	15.891	8.020	0.1504	0.000	35.2	104.7
8.0		28.197	18.007	9.613	0.1691	0.000	37.7	141.8
9.0		28.163	19.307	10.593	0.1864	0.000	46.0	196.2



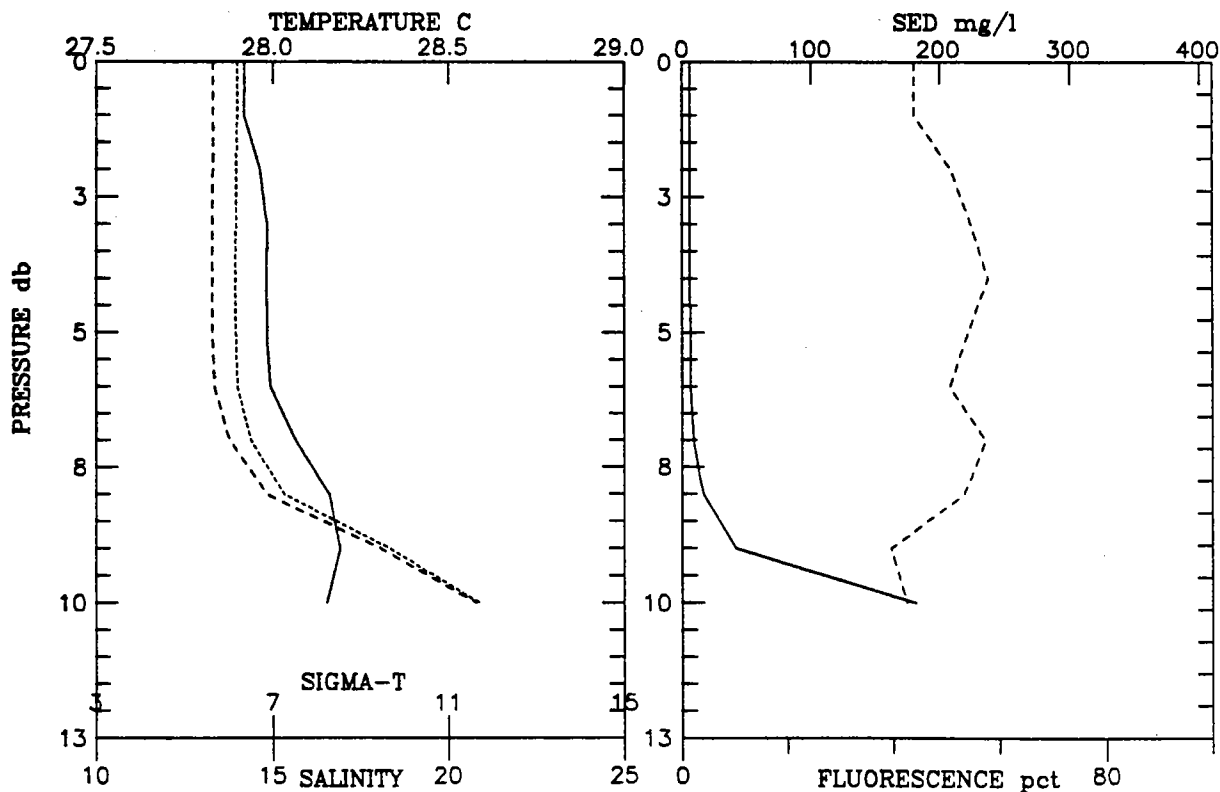
Cruise I9113 Leg 4 Station # 34.16 Depth m:13 Time: 1991-11-19 05:39  
 Position: 2° 53.64'N 50° 42.58'W Depth Deck Offset: 1.25 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.109	13.084	5.970	0.0000	0.000	67.9	2.6
1.0		28.109	13.084	5.970	0.0214	0.000	67.9	2.6
2.0		28.126	13.084	5.965	0.0429	0.000	70.0	2.5
3.0		28.147	13.091	5.964	0.0643	0.000	79.6	2.4
4.0		28.136	13.093	5.968	0.0857	0.000	78.8	2.4
5.0		28.149	13.113	5.979	0.1072	0.000	70.6	2.5
6.0		28.181	13.241	6.065	0.1285	0.000	68.1	3.4
7.0		28.254	13.777	6.442	0.1497	0.000	64.8	7.7
8.0		28.245	15.527	7.749	0.1700	0.000	55.6	24.7
9.0		28.223	16.013	8.118	0.1895	0.000	44.2	43.7
10.0		28.214	16.557	8.526	0.2086	0.000	37.8	98.9



Cruise I9113 Leg 4 Station # 34.17 Depth m:13 Time: 1991-11-19 06:48  
 Position: 2° 53.67'N 50° 42.55'W Depth Deck Offset: 1.37 Fish 1

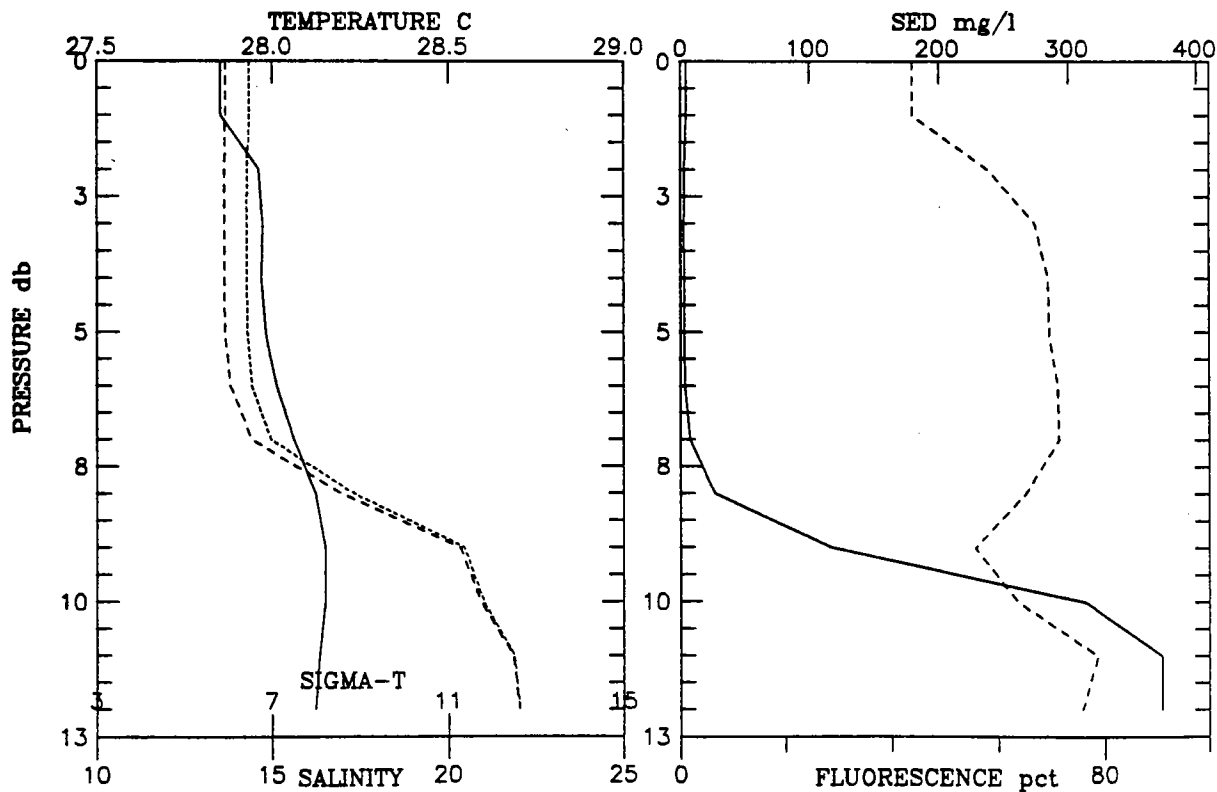
PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.920	13.315	6.199	0.0000	0.000	44.0	5.6
1.0		27.920	13.315	6.199	0.0212	0.000	44.0	5.6
2.0		27.964	13.303	6.177	0.0424	0.000	51.0	5.8
3.0		27.983	13.297	6.166	0.0637	0.000	54.7	5.9
4.0		27.983	13.293	6.164	0.0849	0.000	57.9	5.9
5.0		27.983	13.294	6.164	0.1061	0.000	54.1	6.2
6.0		27.993	13.349	6.202	0.1273	0.000	50.7	6.3
7.0		28.063	13.781	6.503	0.1484	0.000	57.5	9.0
8.0		28.160	14.837	7.261	0.1689	0.000	53.3	16.3
9.0		28.192	18.069	9.660	0.1879	0.000	39.6	41.7
10.0		28.153	20.786	11.700	0.2047	0.000	42.6	181.7





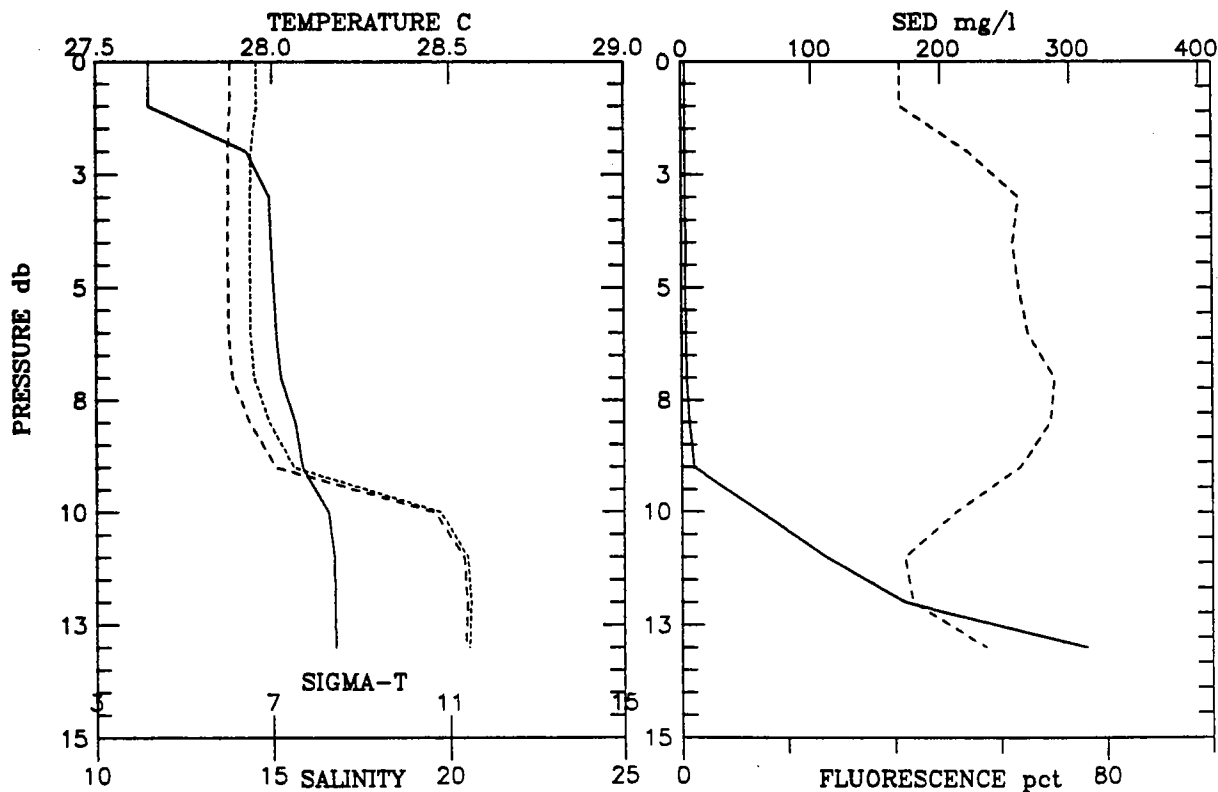
Cruise I9113 Leg 4 Station # 34.18 Depth m:14.4 Time: 1991-11-19 07:48  
 Position: 2° 53.60'N 50° 42.56'W Depth Deck Offset: 1.27 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.853	13.671	6.484	0.0000	0.000	43.8	4.0
1.0	27.853	13.671	6.484	0.0209	0.000	43.8	4.0
2.0	27.963	13.647	6.433	0.0419	0.000	58.1	2.5
3.0	27.973	13.635	6.421	0.0628	0.000	66.9	2.4
4.0	27.970	13.632	6.420	0.0838	0.000	69.3	2.5
5.0	27.982	13.661	6.438	0.1048	0.000	69.5	2.5
6.0	28.013	13.814	6.543	0.1257	0.000	71.1	3.1
7.0	28.063	14.423	6.981	0.1464	0.000	71.3	7.1
8.0	28.123	16.970	8.862	0.1659	0.000	65.0	26.5
9.0	28.152	20.331	11.361	0.1832	0.000	55.6	117.2
10.0	28.152	20.917	11.798	0.1992	0.000	63.7	313.2
11.0	28.135	21.838	12.491	0.2145	0.000	78.6	372.7
12.0	28.124	22.004	12.618	0.2295	0.000	75.8	372.7



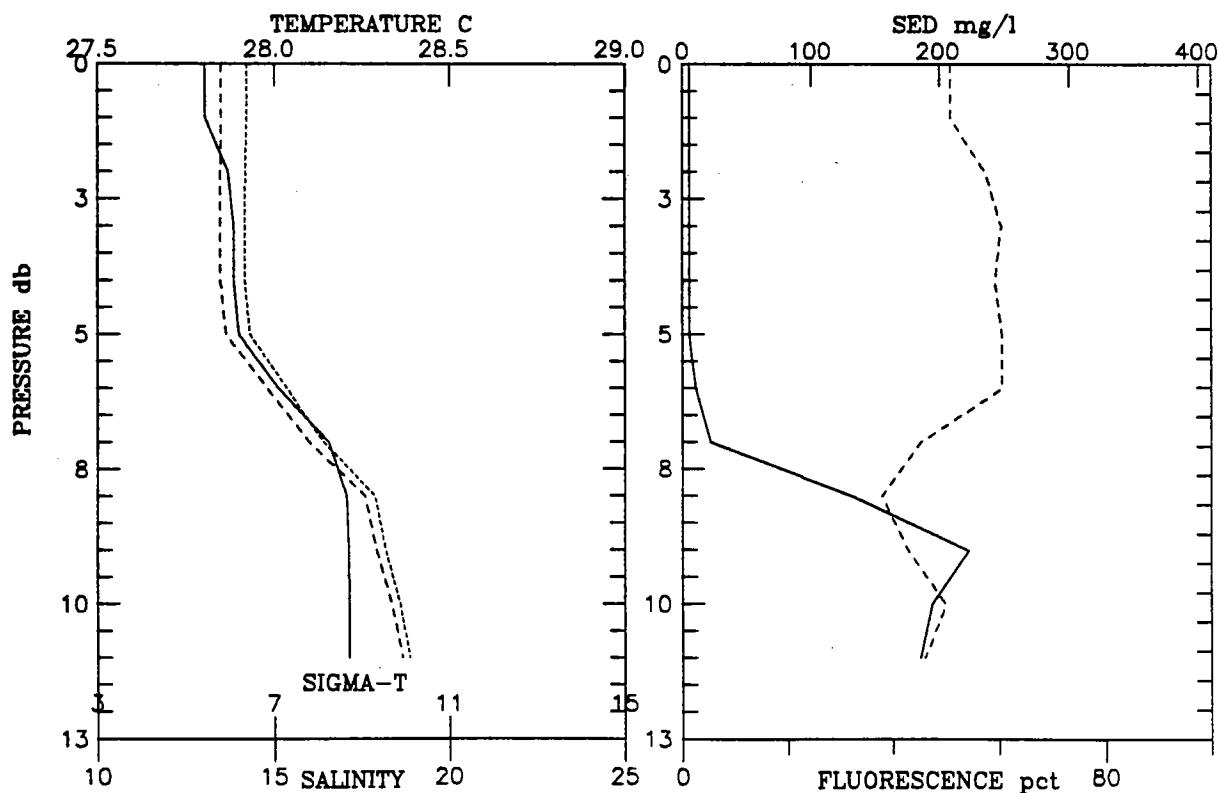
Cruise I9113 Leg 4 Station # 34.19 Depth m:14.2 Time: 1991-11-19 08:53  
 Position: 2° 53.73'N 50° 42.56'W Depth Deck Offset: 1.30 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.652	13.818	6.654	0.0000	0.000	41.2	2.9
1.0	27.652	13.817	6.653	0.0208	0.000	41.2	2.9
2.0	27.930	13.764	6.530	0.0416	0.000	54.0	3.0
3.0	27.993	13.762	6.510	0.0625	0.000	63.5	2.9
4.0	27.998	13.753	6.502	0.0834	0.000	62.4	3.1
5.0	28.003	13.763	6.508	0.1043	0.000	63.5	3.0
6.0	28.010	13.773	6.513	0.1252	0.000	65.2	3.3
7.0	28.024	13.883	6.591	0.1460	0.000	70.2	3.8
8.0	28.064	14.363	6.936	0.1667	0.000	69.5	5.6
9.0	28.084	15.099	7.479	0.1869	0.000	63.8	9.1
10.0	28.156	19.574	10.795	0.2052	0.000	51.7	60.6
11.0	28.173	20.403	11.408	0.2216	0.000	41.9	111.2
12.0	28.175	20.500	11.480	0.2376	0.000	43.4	171.6
13.0	28.177	20.453	11.444	0.2537	0.000	57.2	313.2



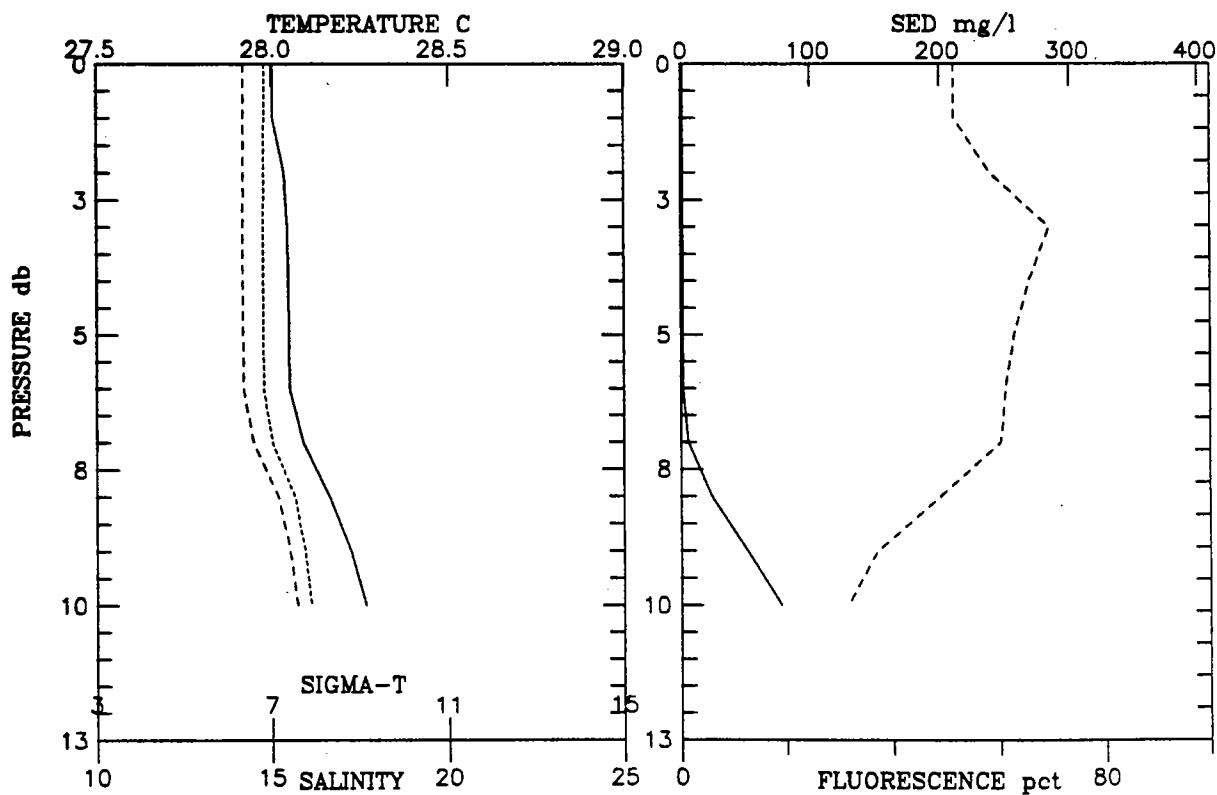
Cruise I9113 Leg 4 Station # 34.20 Depth m:13.6 Time: 1991-11-19 09:51  
 Position: 2° 53.74'N 50° 42.53'W Depth Deck Offset: 1.25 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.803	13.504	6.375	0.0000	0.000	50.9	5.0
1.0		27.803	13.504	6.375	0.0210	0.000	50.9	5.0
2.0		27.869	13.486	6.342	0.0421	0.000	57.4	5.0
3.0		27.886	13.484	6.336	0.0631	0.000	60.4	5.1
4.0		27.885	13.488	6.339	0.0842	0.000	59.2	5.1
5.0		27.900	13.641	6.448	0.1052	0.000	60.5	5.3
6.0		28.012	14.804	7.282	0.1258	0.000	60.4	10.3
7.0		28.156	15.998	8.128	0.1455	0.000	45.2	21.5
8.0		28.206	17.592	9.301	0.1642	0.000	37.9	132.1
9.0		28.212	17.918	9.542	0.1822	0.000	42.9	222.5
10.0		28.213	18.359	9.871	0.2000	0.000	50.0	194.2
11.0		28.213	18.663	10.097	0.2175	0.000	46.0	185.0



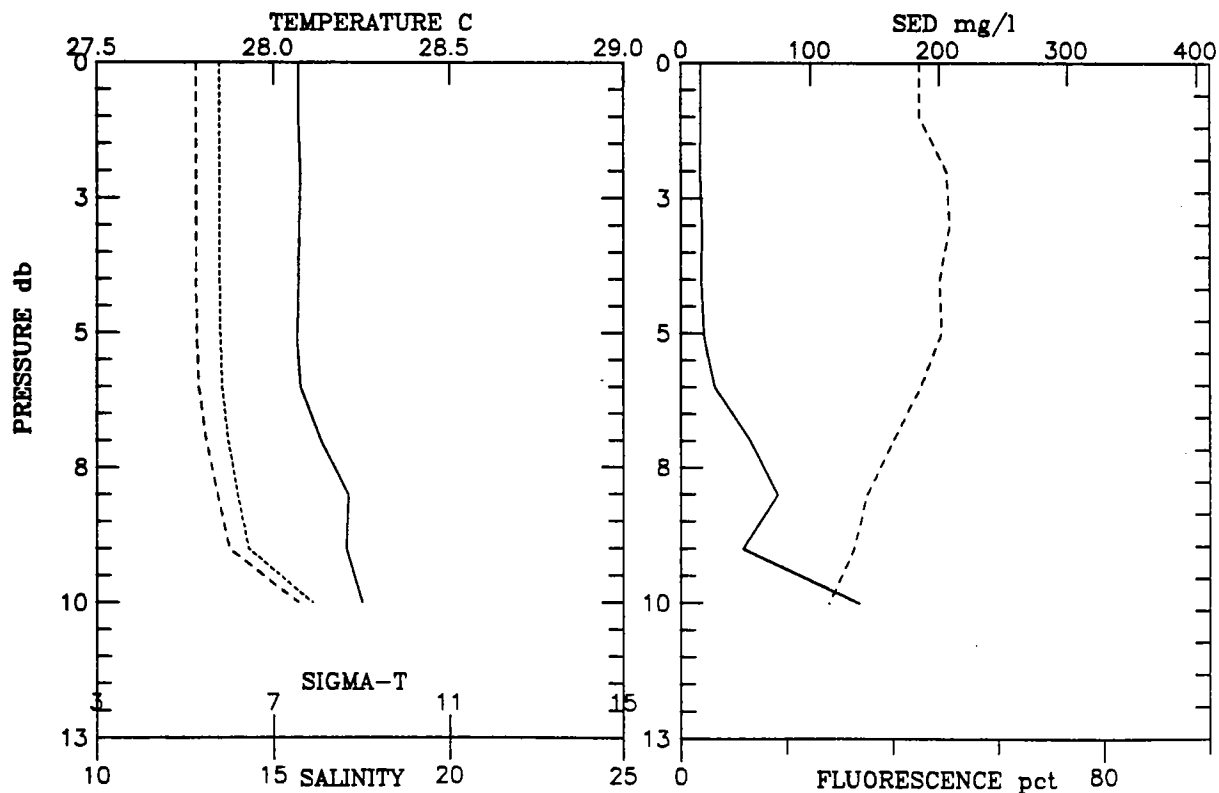
Cruise I9113 Leg 4 Station # 34.21 Depth m:12.4 Time: 1991-11-19 10:44  
 Position: 2° 57.76'N 50° 42.52'W Depth Deck Offset: 1.35 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.004	14.208	6.840	0.0000	0.000	51.5	1.4
1.0	28.004	14.208	6.840	0.0206	0.000	51.5	1.4
2.0	28.037	14.199	6.823	0.0412	0.000	58.3	1.4
3.0	28.046	14.196	6.818	0.0617	0.000	69.3	1.4
4.0	28.047	14.195	6.817	0.0823	0.000	65.5	1.3
5.0	28.049	14.197	6.818	0.1029	0.000	62.7	1.3
6.0	28.052	14.205	6.823	0.1235	0.000	61.1	1.5
7.0	28.090	14.484	7.019	0.1440	0.000	60.2	5.4
8.0	28.164	15.194	7.526	0.1642	0.000	49.0	23.5
9.0	28.224	15.522	7.752	0.1839	0.000	37.1	51.6
10.0	28.265	15.728	7.893	0.2035	0.000	31.6	78.0



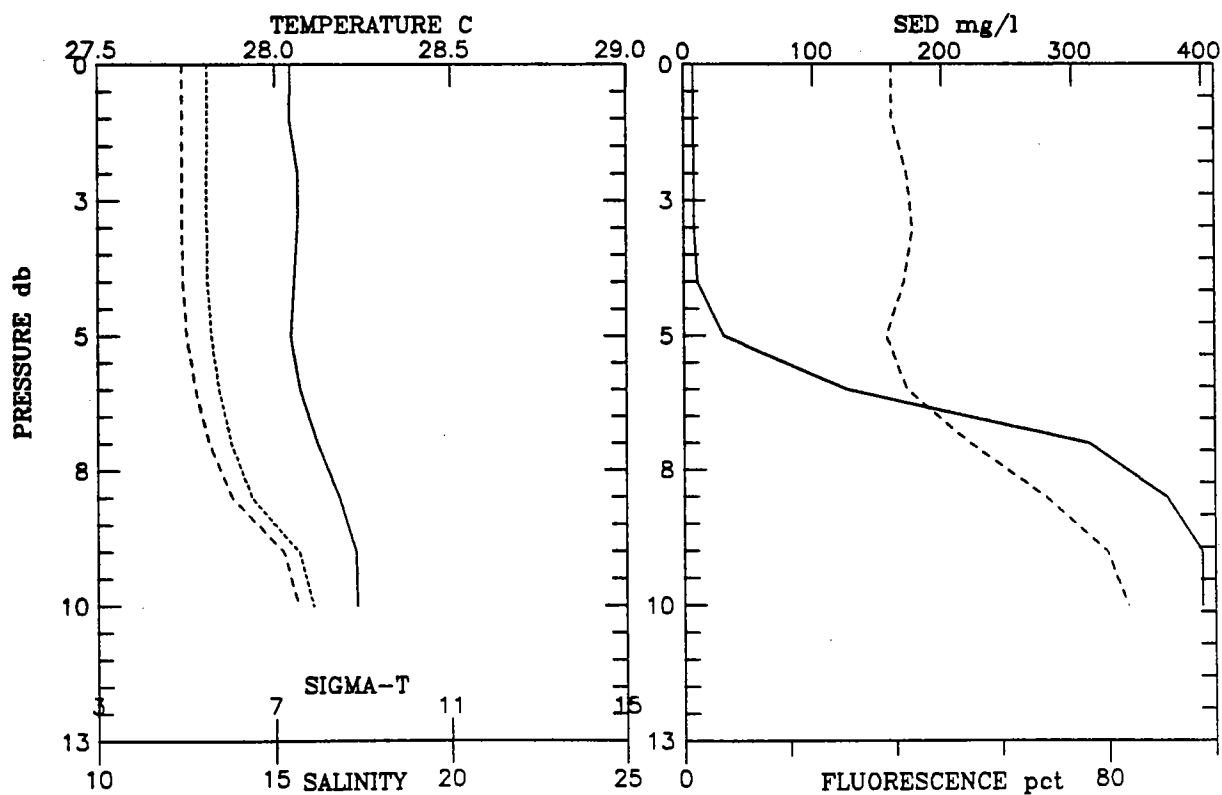
Cruise I9113 Leg 4 Station # 34.22 Depth m:11.4 Time: 1991-11-19 11:40  
 Position: 2° 53.93'N 50° 42.49'W Depth Deck Offset: 1.35 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.072	12.825	5.789	0.0000	0.000	45.1	15.0
1.0		28.072	12.824	5.788	0.0216	0.000	45.1	15.0
2.0		28.077	12.820	5.783	0.0432	0.000	50.2	14.5
3.0		28.074	12.827	5.790	0.0648	0.000	50.8	16.0
4.0		28.072	12.826	5.789	0.0864	0.000	48.9	15.6
5.0		28.068	12.841	5.802	0.1080	0.000	49.2	17.8
6.0		28.078	12.902	5.844	0.1296	0.000	45.2	26.1
7.0		28.135	13.105	5.978	0.1511	0.000	40.0	53.9
8.0		28.211	13.426	6.194	0.1724	0.000	35.1	75.0
9.0		28.206	13.760	6.445	0.1935	0.000	32.6	47.9
10.0		28.252	15.714	7.887	0.2138	0.000	27.9	138.2



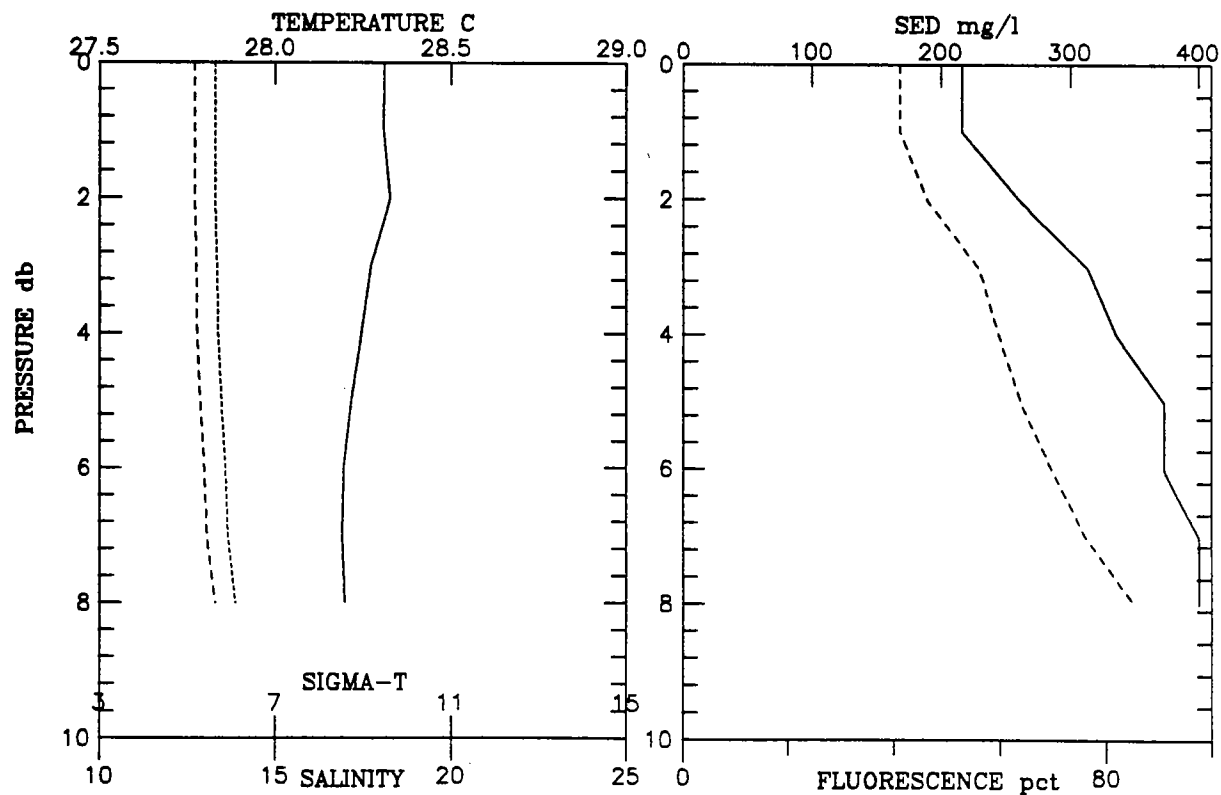
Cruise I9113 Leg 4 Station # 34.23 Depth m:9.75 Time: 1991-11-19 12:41  
 Position: 2° 54.19'N 50° 42.45'W Depth Deck Offset: 1.35 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.043	12.394	5.476	0.0000	0.000	39.3	7.5
1.0		28.043	12.394	5.476	0.0219	0.000	39.3	7.5
2.0		28.066	12.388	5.465	0.0438	0.000	42.2	7.7
3.0		28.064	12.390	5.467	0.0658	0.000	43.2	7.7
4.0		28.055	12.408	5.483	0.0877	0.000	41.6	10.2
5.0		28.046	12.516	5.566	0.1096	0.000	38.3	30.5
6.0		28.070	12.762	5.742	0.1313	0.000	42.1	126.1
7.0		28.122	13.154	6.019	0.1528	0.000	54.0	313.2
8.0		28.183	13.801	6.482	0.1740	0.000	68.2	372.7
9.0		28.230	15.246	7.545	0.1944	0.000	79.7	400.0
10.0		28.234	15.667	7.857	0.2141	0.000	83.6	400.0



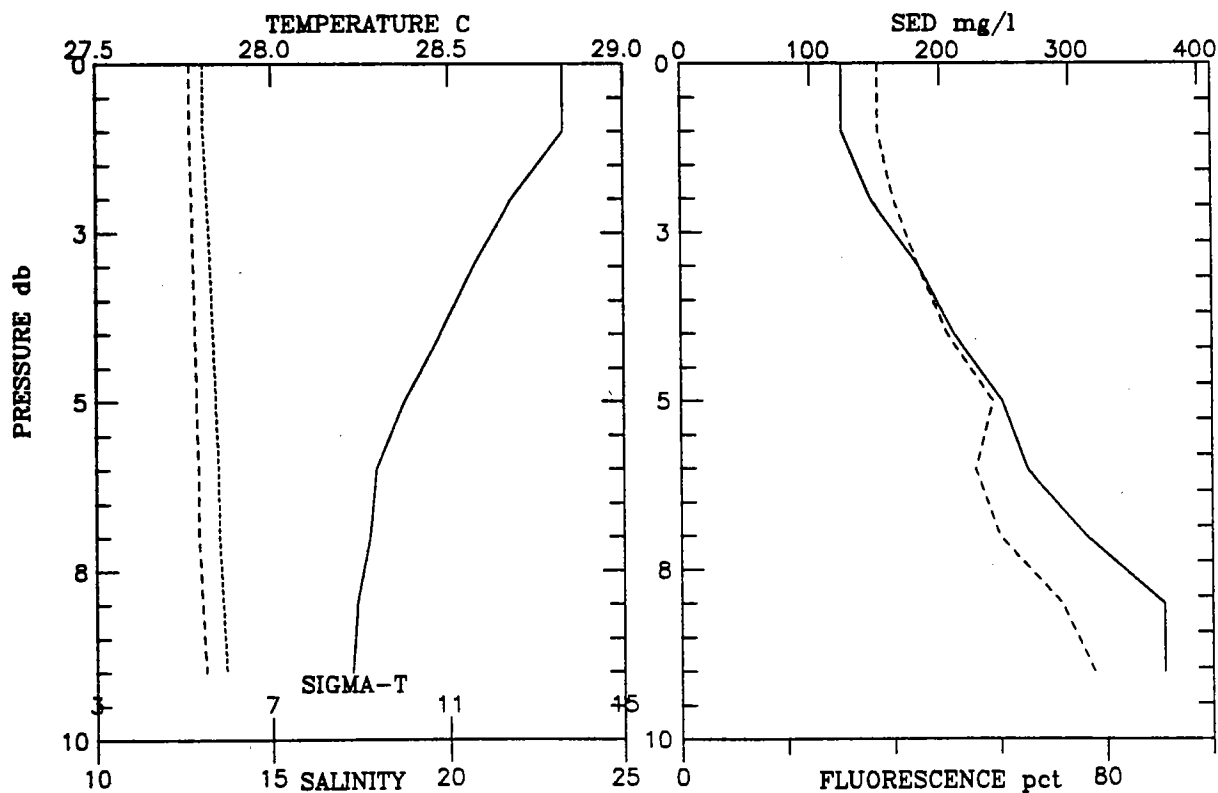
Cruise I9113 Leg 4 Station # 34.24 Depth m:9.5 Time: 1991-11-19 13:40  
 Position: 2° 54.22'N 50° 42.45'W Depth Deck Offset: 1.40 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.311	12.721	5.639	0.0000	0.000	41.1	216.2
1.0	28.311	12.720	5.638	0.0218	0.000	41.1	216.2
2.0	28.329	12.722	5.634	0.0435	0.000	46.2	260.1
3.0	28.274	12.754	5.675	0.0653	0.000	55.9	313.2
4.0	28.247	12.781	5.703	0.0870	0.000	59.6	335.2
5.0	28.216	12.866	5.776	0.1086	0.000	63.8	372.7
6.0	28.195	12.982	5.869	0.1302	0.000	69.7	372.7
7.0	28.192	13.059	5.927	0.1517	0.000	76.0	400.0
8.0	28.199	13.294	6.100	0.1731	0.000	85.3	400.0



Cruise I9113 Leg 4 Station # 34.25 Depth m:8.9 Time: 1991-11-19 14:38  
 Position: 2° 54.21'N 50° 42.48'W Depth Deck Offset: 1.40 Fish 1

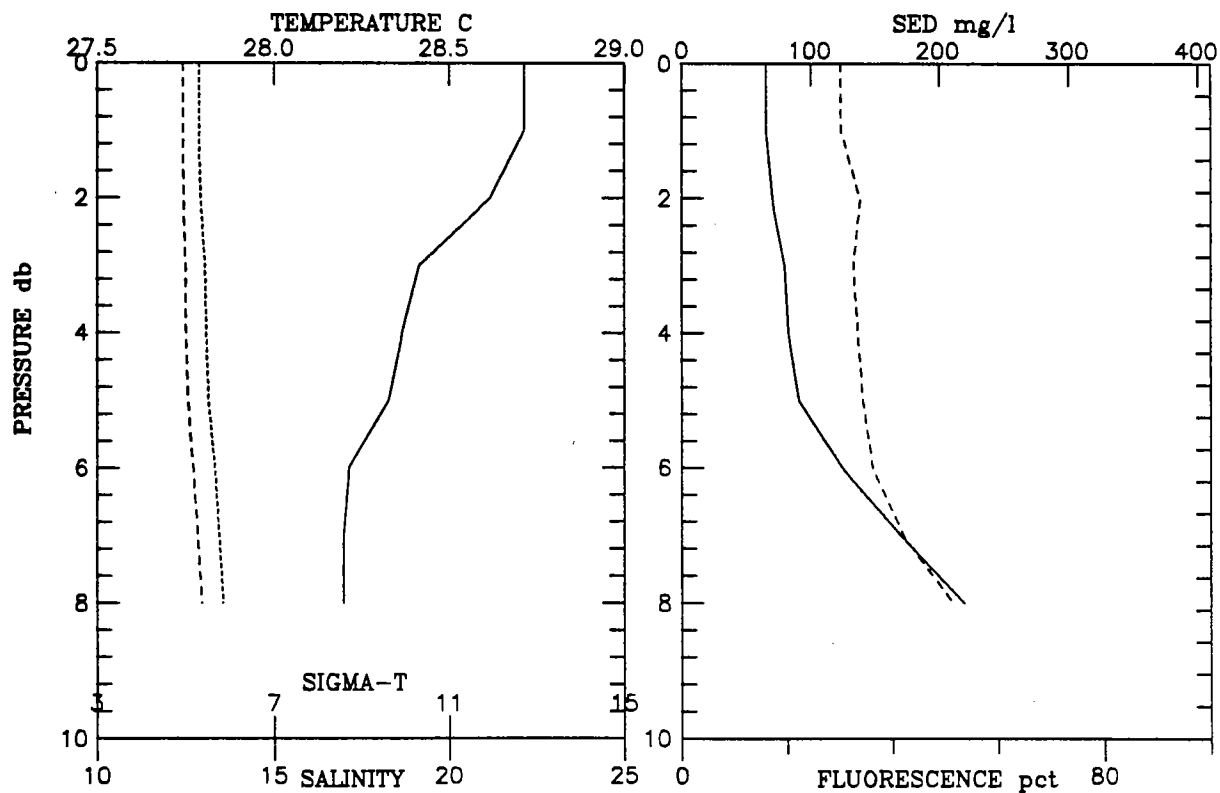
PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.829	12.699	5.465	0.0000	0.000	37.2	124.4
1.0		28.828	12.699	5.465	0.0219	0.000	37.2	124.4
2.0		28.680	12.747	5.546	0.0438	0.000	40.0	146.6
3.0		28.569	12.795	5.616	0.0656	0.000	44.7	183.3
4.0		28.475	12.841	5.679	0.0874	0.000	50.1	210.5
5.0		28.374	12.881	5.739	0.1091	0.000	58.7	248.0
6.0		28.294	12.924	5.795	0.1307	0.000	55.4	267.3
7.0		28.275	12.939	5.812	0.1523	0.000	60.0	313.2
8.0		28.238	13.036	5.896	0.1738	0.000	71.7	372.7
9.0		28.227	13.132	5.971	0.1953	0.000	77.7	372.7





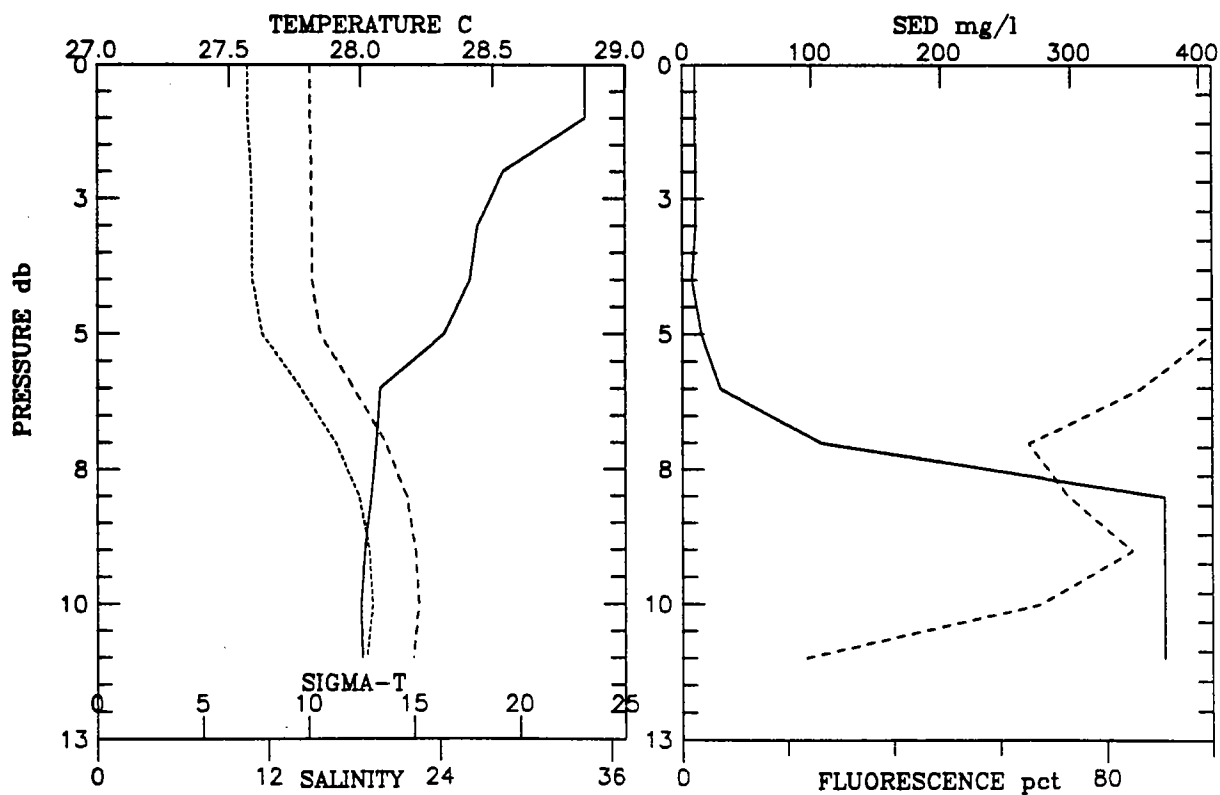
Cruise I9113 Leg 4 Station # 34.26 Depth m:9.25 Time: 1991-11-19 15:47  
 Position: 2° 54.20'N 50° 42.46'W Depth Deck Offset: 1.70 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.715	12.423	5.294	0.0000	0.000	30.2	65.6
1.0		28.715	12.423	5.294	0.0221	0.000	30.2	65.6
2.0		28.617	12.434	5.332	0.0442	0.000	33.8	70.5
3.0		28.414	12.492	5.437	0.0662	0.000	32.5	79.9
4.0		28.365	12.508	5.464	0.0881	0.000	33.4	82.6
5.0		28.327	12.557	5.512	0.1100	0.000	34.3	90.9
6.0		28.212	12.705	5.657	0.1318	0.000	36.2	124.9
7.0		28.197	12.831	5.755	0.1535	0.000	42.0	170.3
8.0		28.197	12.954	5.847	0.1751	0.000	51.5	219.3



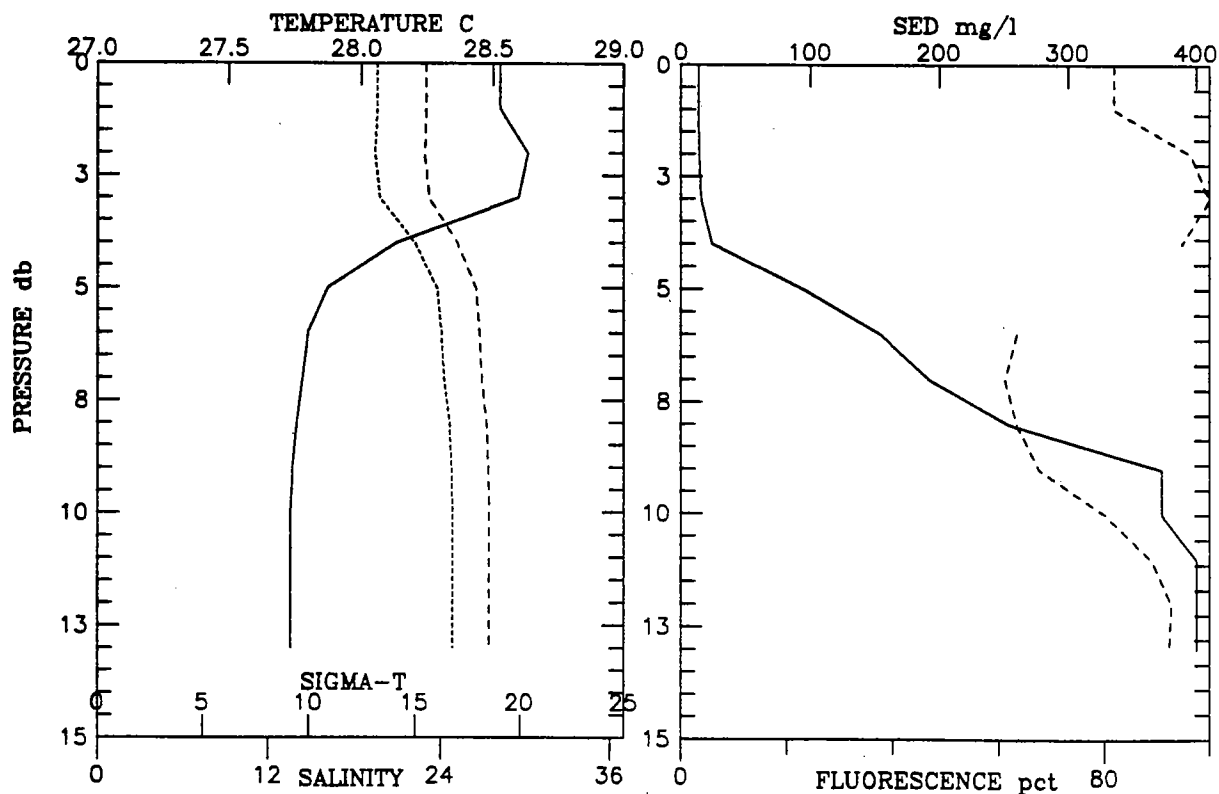
Cruise I9113 Leg 4 Station # 35 Depth m:14 Time: 1991-11-19 17:38  
 Position: 2° 57.55'N 50° 36.16'W Depth Deck Offset: 1.90 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.848	14.955	7.138	0.0000	0.000	100.0	9.8
1.0		28.848	14.955	7.138	0.0203	0.000	100.0	9.8
2.0		28.538	15.032	7.291	0.0405	0.000	100.0	10.5
3.0		28.441	15.069	7.348	0.0606	0.000	100.0	10.3
4.0		28.412	15.065	7.354	0.0806	0.000	100.0	7.4
5.0		28.315	15.649	7.819	0.1005	0.000	99.9	14.8
6.0		28.073	18.021	9.661	0.1192	0.000	86.3	29.5
7.0		28.058	20.212	11.301	0.1362	0.000	65.3	108.3
8.0		28.039	21.708	12.424	0.1518	0.000	72.9	372.7
9.0		28.015	22.313	12.883	0.1667	0.000	84.8	372.7
10.0		27.999	22.512	13.037	0.1813	0.000	67.1	372.7
11.0		28.004	22.167	12.778	0.1959	0.000	23.4	372.7



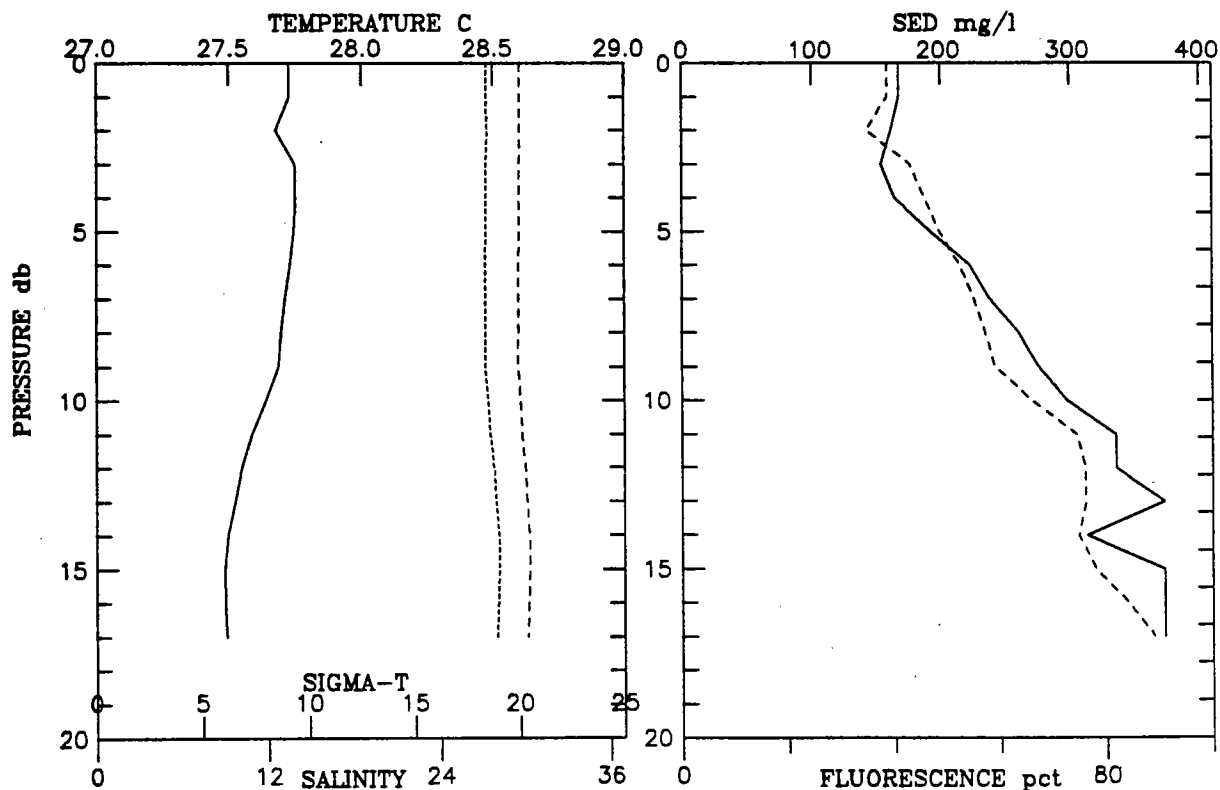
Cruise I9113 Leg 4 Station # 36 Depth m:16 Time: 1991-11-19 19:03  
 Position: 3° 0.47'N 50° 29.96'W Depth Deck Offset: 1.60 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.525	23.035	13.263	0.0000	0.000	81.9	13.6
1.0	28.525	23.035	13.263	0.0143	0.000	81.9	13.6
2.0	28.632	22.933	13.153	0.0286	0.000	96.6	14.2
3.0	28.596	23.215	13.375	0.0429	0.000	100.0	15.7
4.0	28.133	25.205	15.009	0.0563	0.000	94.8	24.2
5.0	27.873	26.511	16.068	0.0683	0.000	100.8	94.6
6.0	27.798	26.761	16.279	0.0798	0.000	63.4	154.7
7.0	27.778	26.918	16.403	0.0911	0.000	61.2	192.2
8.0	27.756	27.258	16.664	0.1022	0.000	63.4	253.7
9.0	27.741	27.373	16.755	0.1131	0.000	67.6	372.7
10.0	27.734	27.433	16.802	0.1240	0.000	80.2	372.7
11.0	27.732	27.431	16.802	0.1348	0.000	88.9	400.0
12.0	27.732	27.426	16.798	0.1456	0.000	92.8	400.0
13.0	27.732	27.418	16.792	0.1565	0.000	92.3	400.0



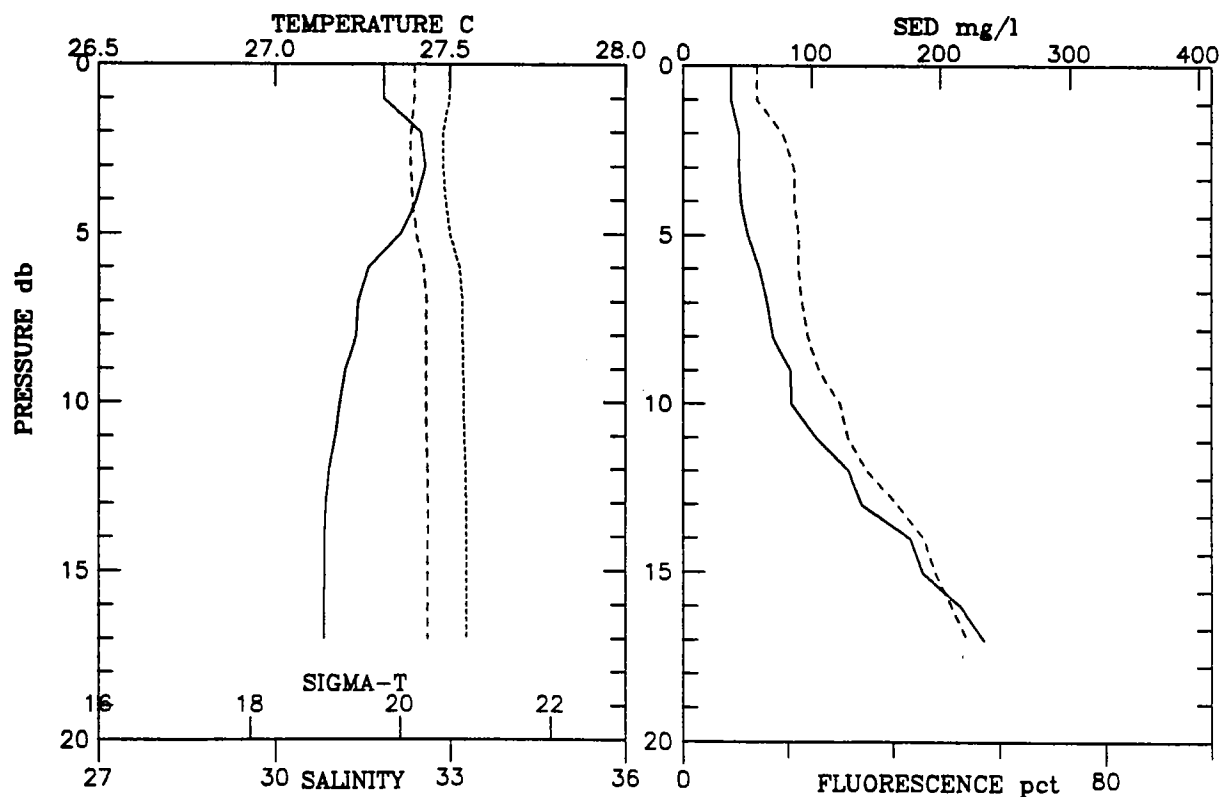
Cruise I9113 Leg 4 Station # 37 Depth m:18.6 Time: 1991-11-19 20:10  
 Position: 3° 3.46'N 50° 23.96'W Depth Deck Offset: 1.48 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.727	29.599	18.428	0.0000	0.000	38.7	167.8
1.0	27.727	29.599	18.428	0.0093	0.000	38.7	167.8
2.0	27.677	29.629	18.467	0.0185	0.000	34.8	161.9
3.0	27.750	29.591	18.415	0.0278	0.000	43.0	153.7
4.0	27.751	29.583	18.409	0.0371	0.000	45.8	164.2
5.0	27.745	29.572	18.402	0.0464	0.000	48.6	192.2
6.0	27.730	29.543	18.386	0.0557	0.000	52.4	222.5
7.0	27.712	29.522	18.376	0.0650	0.000	55.1	238.1
8.0	27.695	29.513	18.374	0.0743	0.000	57.2	260.1
9.0	27.687	29.509	18.374	0.0836	0.000	59.0	275.7
10.0	27.637	29.656	18.500	0.0929	0.000	66.0	297.6
11.0	27.585	29.768	18.600	0.1020	0.000	74.4	335.2
12.0	27.546	29.990	18.779	0.1111	0.000	76.0	335.2
13.0	27.521	30.103	18.872	0.1200	0.000	76.0	372.7
14.0	27.496	30.268	19.004	0.1287	0.000	74.8	313.2
15.0	27.483	30.272	19.011	0.1375	0.000	78.0	372.7
16.0	27.485	30.220	18.971	0.1462	0.000	84.1	372.7
17.0	27.490	30.156	18.922	0.1550	0.000	89.0	372.7



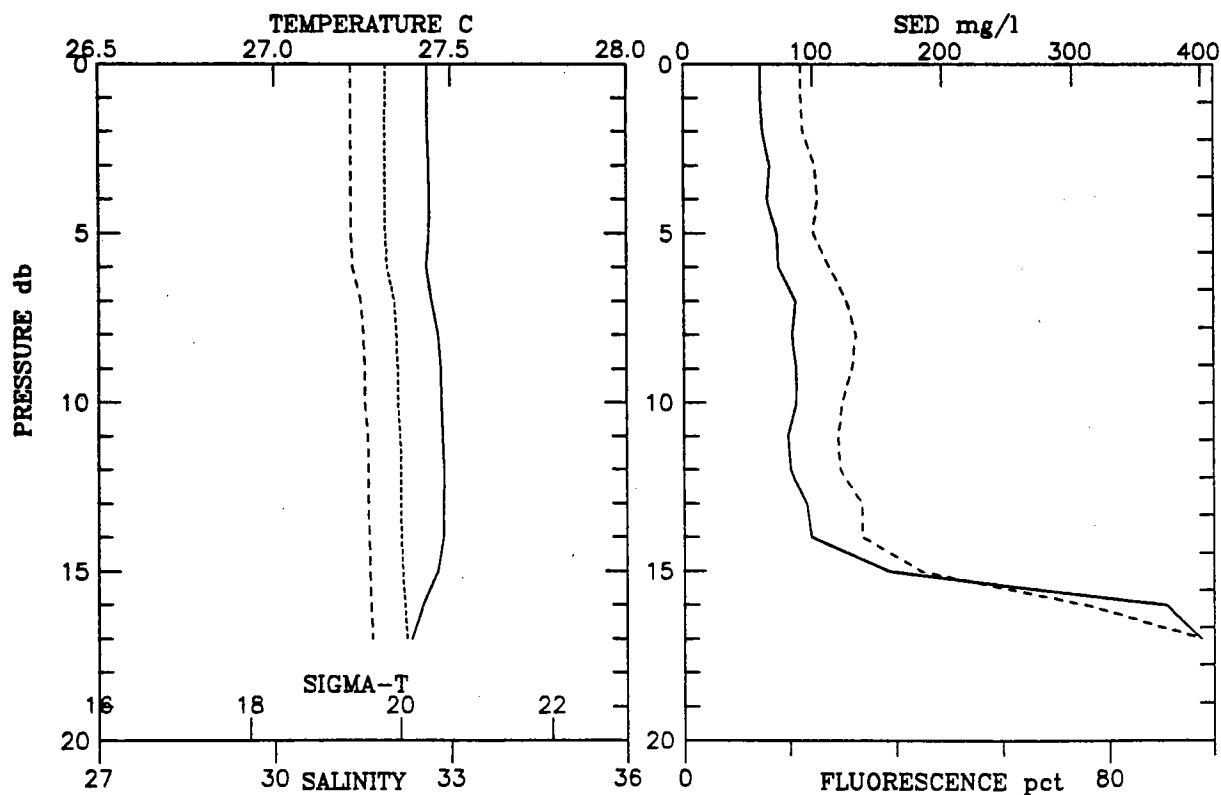
Cruise I9113 Leg 4 Station # 38.01 Depth m:19 Time: 1991-11-19 21:16  
 Position: 3° 6.58'N 50° 18.75'W Depth Deck Offset: 1.30 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.312	32.396	20.661	0.0000	0.000	14.0	36.9
1.0		27.312	32.396	20.661	0.0071	0.000	14.0	36.9
2.0		27.417	32.333	20.580	0.0143	0.000	18.9	43.6
3.0		27.430	32.330	20.574	0.0215	0.000	21.1	43.4
4.0		27.404	32.368	20.610	0.0287	0.000	21.2	45.1
5.0		27.359	32.423	20.666	0.0358	0.000	22.0	50.6
6.0		27.269	32.555	20.794	0.0429	0.000	21.9	59.3
7.0		27.236	32.595	20.835	0.0499	0.000	22.6	65.3
8.0		27.232	32.591	20.833	0.0568	0.000	23.7	69.7
9.0		27.200	32.588	20.841	0.0638	0.000	25.8	83.6
10.0		27.184	32.590	20.847	0.0707	0.000	29.9	84.2
11.0		27.172	32.596	20.856	0.0777	0.000	31.4	103.9
12.0		27.154	32.608	20.871	0.0846	0.000	35.0	129.6
13.0		27.145	32.618	20.881	0.0915	0.000	40.8	139.6
14.0		27.141	32.618	20.882	0.0984	0.000	45.8	177.1
15.0		27.140	32.614	20.879	0.1053	0.000	47.9	186.7
16.0		27.139	32.616	20.881	0.1123	0.000	51.0	216.2
17.0		27.138	32.616	20.881	0.1192	0.000	53.9	233.8



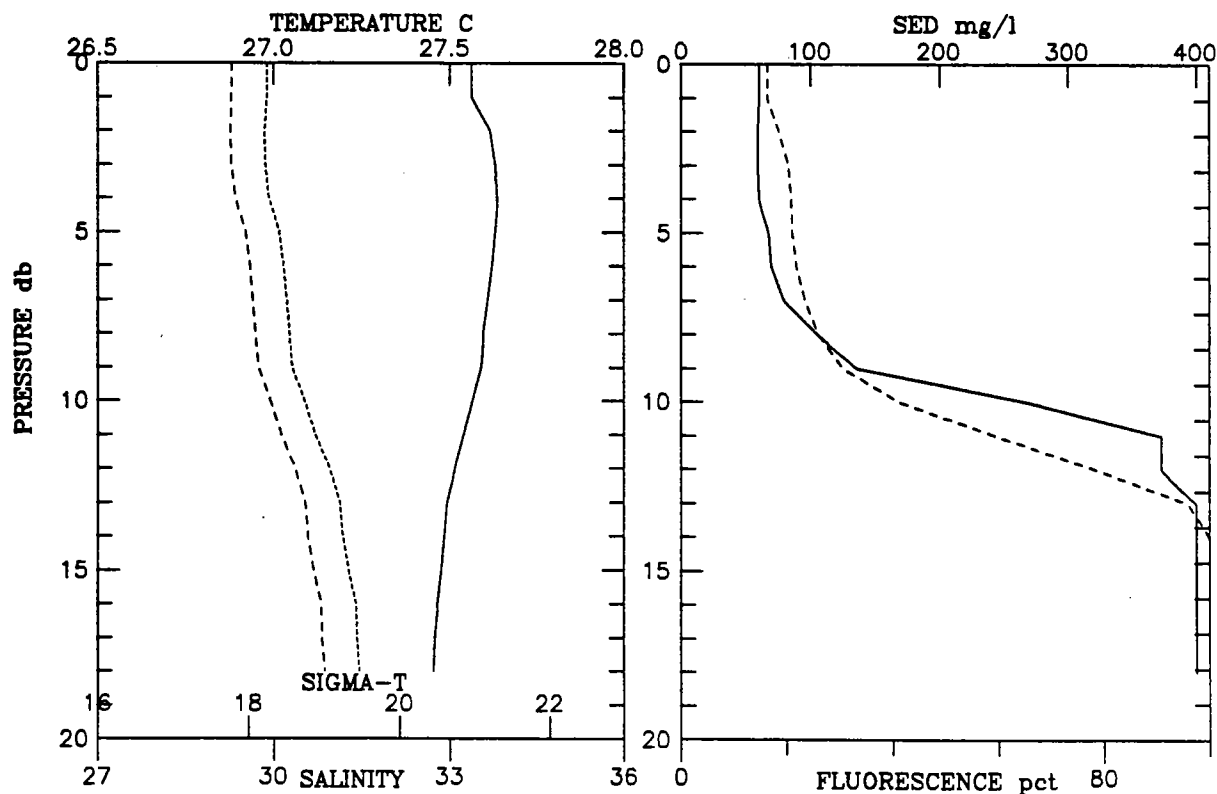
Cruise I9113 Leg 4 Station # 38.02 Depth m:19 Time: 1991-11-19 22:07  
 Position: 3° 6.60'N 50° 18.73'W Depth Deck Offset: 1.27 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.435	31.316	19.810	0.0000	0.000	22.3	60.1
1.0	27.435	31.316	19.810	0.0079	0.000	22.3	60.1
2.0	27.435	31.314	19.808	0.0159	0.000	22.6	61.3
3.0	27.439	31.313	19.807	0.0238	0.000	24.9	66.8
4.0	27.441	31.314	19.807	0.0318	0.000	25.3	64.9
5.0	27.439	31.316	19.809	0.0397	0.000	24.5	72.4
6.0	27.432	31.336	19.826	0.0476	0.000	27.6	73.5
7.0	27.447	31.477	19.927	0.0555	0.000	30.8	86.8
8.0	27.464	31.517	19.952	0.0633	0.000	32.5	84.2
9.0	27.472	31.545	19.970	0.0711	0.000	31.8	87.4
10.0	27.473	31.546	19.971	0.0789	0.000	29.9	87.4
11.0	27.476	31.588	20.001	0.0867	0.000	29.2	80.8
12.0	27.481	31.600	20.009	0.0945	0.000	29.5	82.9
13.0	27.479	31.598	20.008	0.1022	0.000	33.6	95.2
14.0	27.479	31.609	20.016	0.1100	0.000	33.7	98.5
15.0	27.462	31.620	20.030	0.1177	0.000	44.7	158.7
16.0	27.421	31.640	20.058	0.1254	0.000	75.9	372.7
17.0	27.389	31.668	20.089	0.1331	0.000	97.6	400.0



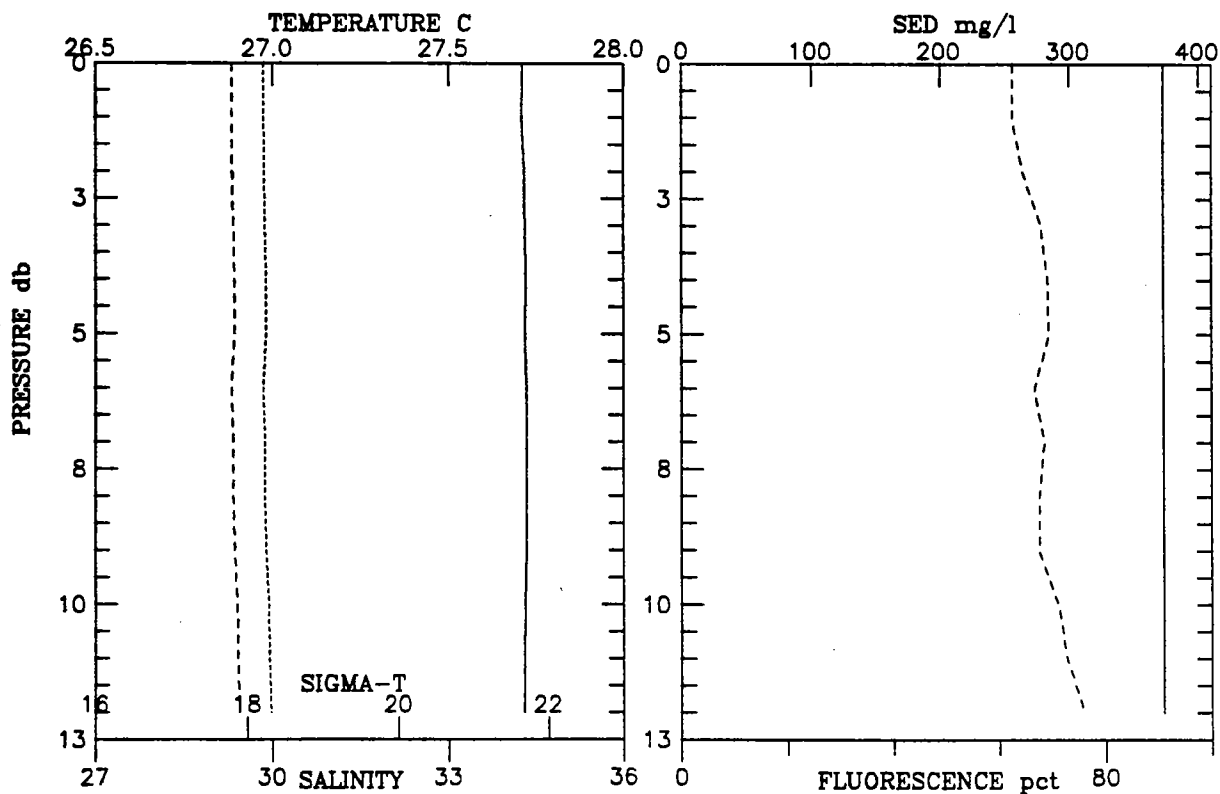
Cruise I9113 Leg 4 Station # 38.03 Depth m:18.4 Time: 1991-11-19 23:04  
 Position: 3° 6.84'N 50° 18.53'W Depth Deck Offset: 1.27 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.563	29.290	18.249	0.0000	0.000	16.3	60.5
1.0	27.563	29.289	18.248	0.0094	0.000	16.3	60.5
2.0	27.616	29.270	18.217	0.0189	0.000	18.5	59.3
3.0	27.629	29.286	18.225	0.0284	0.000	20.3	59.5
4.0	27.635	29.357	18.276	0.0378	0.000	20.8	60.5
5.0	27.629	29.536	18.412	0.0472	0.000	21.0	67.9
6.0	27.622	29.604	18.466	0.0564	0.000	21.8	69.7
7.0	27.608	29.656	18.509	0.0656	0.000	23.4	79.6
8.0	27.595	29.700	18.546	0.0748	0.000	26.0	105.9
9.0	27.590	29.745	18.581	0.0840	0.000	30.6	136.1
10.0	27.565	29.952	18.745	0.0930	0.000	41.0	267.3
11.0	27.538	30.132	18.888	0.1019	0.000	59.5	372.7
12.0	27.514	30.371	19.075	0.1106	0.000	78.7	372.7
13.0	27.492	30.537	19.207	0.1192	0.000	96.1	400.0
14.0	27.485	30.583	19.244	0.1277	0.000	100.0	400.0
15.0	27.475	30.679	19.319	0.1362	0.000	100.0	400.0
16.0	27.465	30.812	19.422	0.1446	0.000	100.0	400.0
17.0	27.457	30.823	19.433	0.1529	0.000	100.0	400.0
18.0	27.453	30.866	19.466	0.1612	0.000	100.0	400.0



Cruise I9113 Leg 4 Station # 38.04 Depth m:14 Time: 1991-11-20 00:04  
 Position: 3° 7.50'N 50° 17.89'W Depth Deck Offset: 1.27 Fish 1

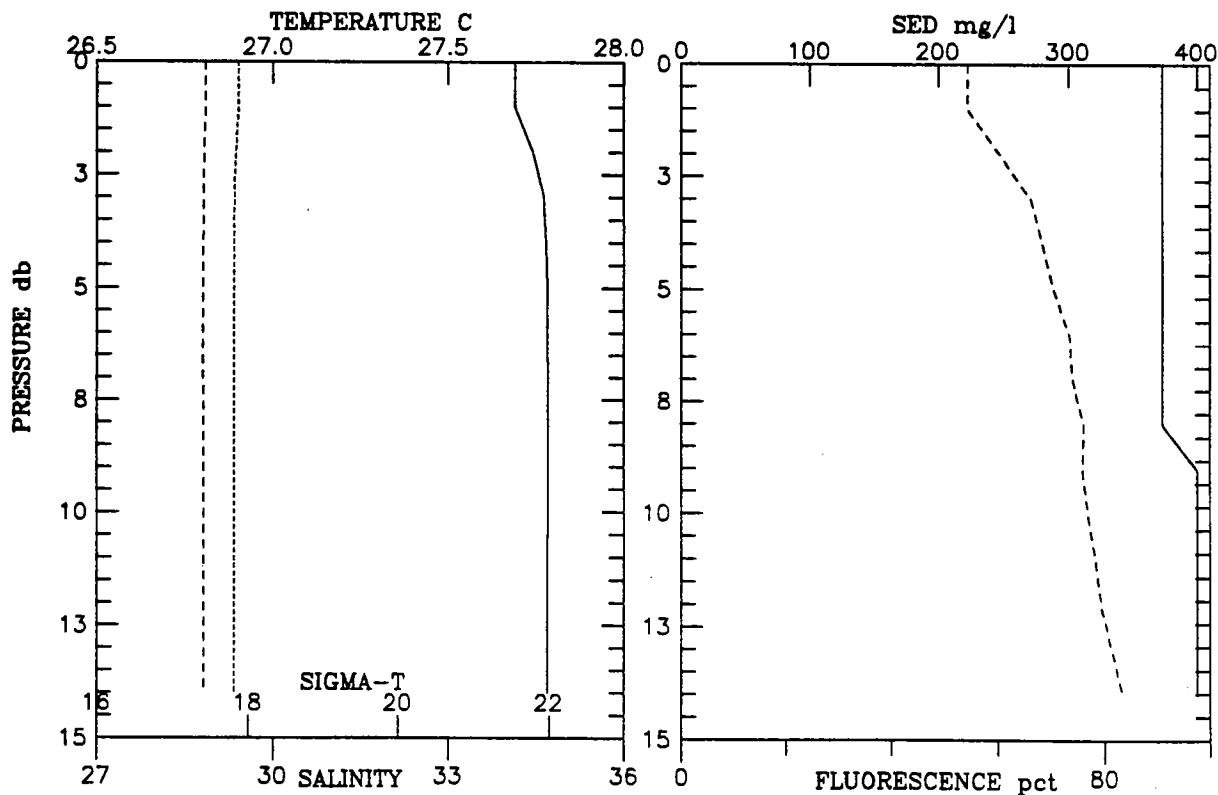
PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.711	29.314	18.220	0.0000	0.000	62.5	372.7
1.0	27.711	29.314	18.220	0.0095	0.000	62.5	372.7
2.0	27.716	29.322	18.224	0.0189	0.000	64.5	372.7
3.0	27.719	29.339	18.236	0.0284	0.000	67.9	372.7
4.0	27.720	29.360	18.251	0.0378	0.000	69.1	372.7
5.0	27.720	29.357	18.249	0.0473	0.000	69.3	372.7
6.0	27.722	29.312	18.215	0.0568	0.000	66.6	372.7
7.0	27.722	29.339	18.235	0.0662	0.000	68.4	372.7
8.0	27.722	29.341	18.236	0.0757	0.000	67.5	372.7
9.0	27.722	29.363	18.253	0.0851	0.000	67.5	372.7
10.0	27.719	29.405	18.285	0.0946	0.000	71.1	372.7
11.0	27.718	29.417	18.295	0.1040	0.000	72.7	372.7
12.0	27.716	29.446	18.317	0.1134	0.000	76.0	372.7





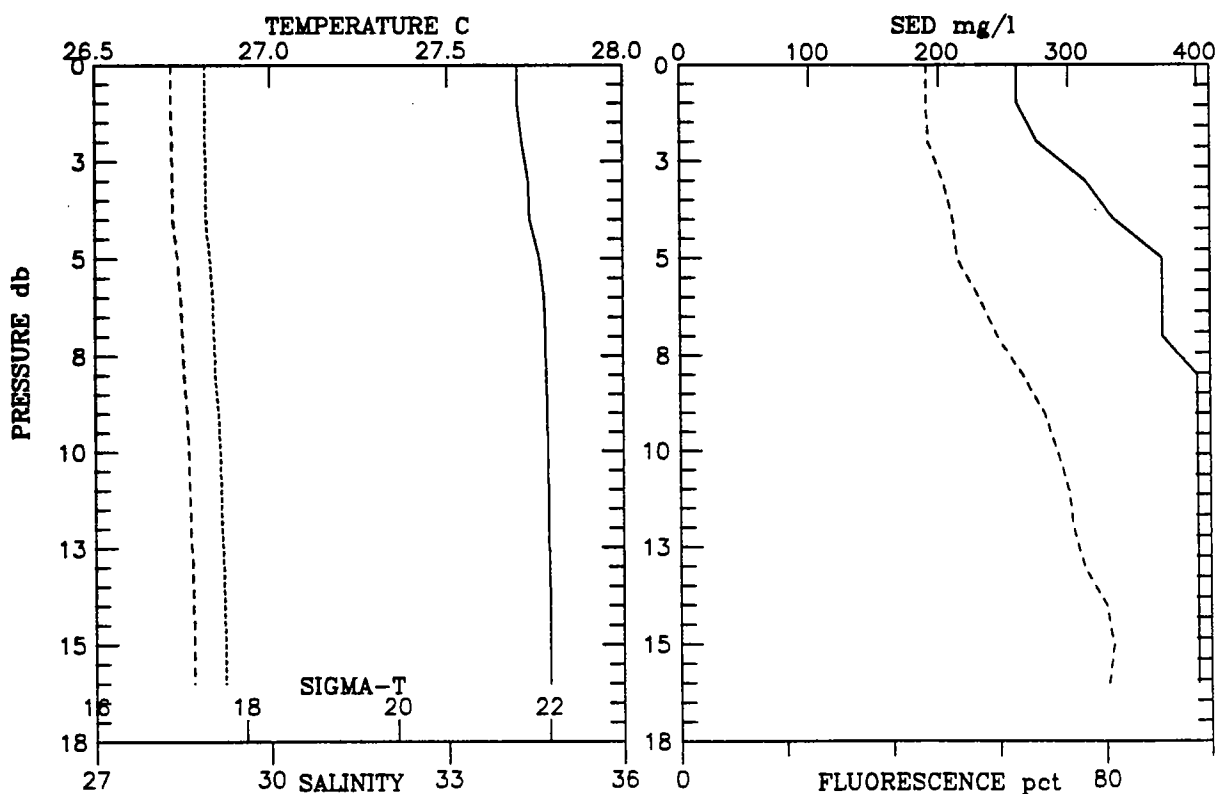
Cruise I9113 Leg 4 Station # 38.05 Depth m:17.3 Time: 1991-11-20 01:02  
 Position: 3° 7.78'N 50° 17.71'W Depth Deck Offset: 1.23 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.689	28.847	17.876	0.0000	0.000	54.3	372.7
1.0		27.689	28.847	17.876	0.0098	0.000	54.3	372.7
2.0		27.741	28.824	17.843	0.0196	0.000	60.3	372.7
3.0		27.772	28.809	17.822	0.0295	0.000	66.2	372.7
4.0		27.778	28.808	17.819	0.0393	0.000	68.3	372.7
5.0		27.780	28.807	17.818	0.0492	0.000	70.4	372.7
6.0		27.781	28.806	17.816	0.0590	0.000	73.3	372.7
7.0		27.782	28.808	17.818	0.0689	0.000	73.9	372.7
8.0		27.783	28.809	17.818	0.0788	0.000	76.0	372.7
9.0		27.782	28.809	17.818	0.0886	0.000	75.8	400.0
10.0		27.782	28.811	17.820	0.0985	0.000	76.8	400.0
11.0		27.781	28.812	17.821	0.1083	0.000	78.2	400.0
12.0		27.781	28.812	17.821	0.1182	0.000	79.3	400.0
13.0		27.781	28.812	17.821	0.1281	0.000	81.3	400.0
14.0		27.781	28.812	17.821	0.1379	0.000	83.3	400.0



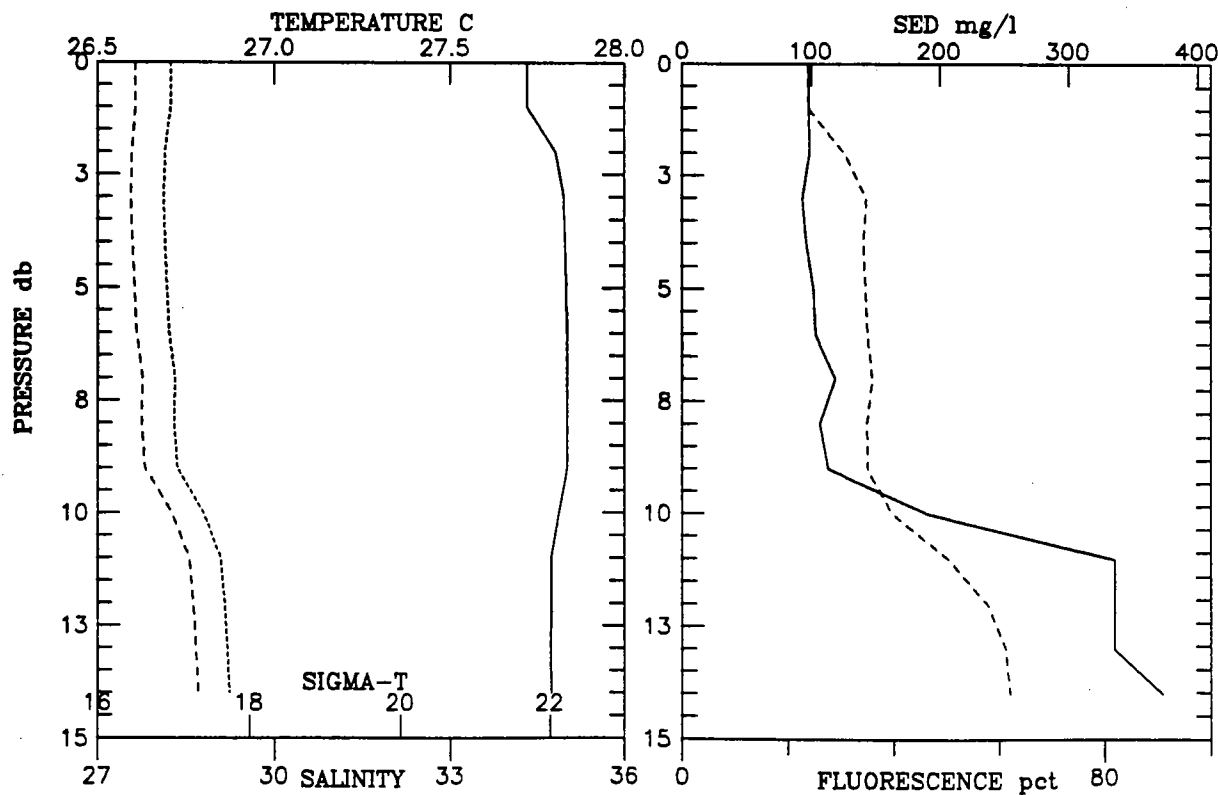
Cruise I9113 Leg 4 Station # 38.06 Depth m:17 Time: 1991-11-20 02:05  
 Position: 3° 7.76'N 50° 17.67'W Depth Deck Offset: 1.35 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.699	28.314	17.474	0.0000	0.000	46.5	260.1
1.0	27.699	28.314	17.474	0.0102	0.000	46.5	260.1
2.0	27.712	28.319	17.473	0.0204	0.000	46.8	275.7
3.0	27.731	28.335	17.479	0.0306	0.000	49.5	313.2
4.0	27.734	28.334	17.478	0.0408	0.000	51.4	335.2
5.0	27.760	28.419	17.533	0.0509	0.000	52.2	372.7
6.0	27.773	28.468	17.566	0.0610	0.000	56.2	372.7
7.0	27.777	28.495	17.584	0.0711	0.000	59.7	372.7
8.0	27.779	28.519	17.602	0.0812	0.000	64.4	400.0
9.0	27.781	28.571	17.640	0.0913	0.000	68.4	400.0
10.0	27.782	28.600	17.661	0.1013	0.000	70.9	400.0
11.0	27.784	28.614	17.672	0.1113	0.000	73.0	400.0
12.0	27.785	28.628	17.682	0.1213	0.000	73.9	400.0
13.0	27.786	28.663	17.707	0.1313	0.000	75.9	400.0
14.0	27.787	28.674	17.715	0.1412	0.000	80.1	400.0
15.0	27.787	28.684	17.723	0.1512	0.000	81.4	400.0
16.0	27.787	28.686	17.724	0.1612	0.000	80.5	400.0



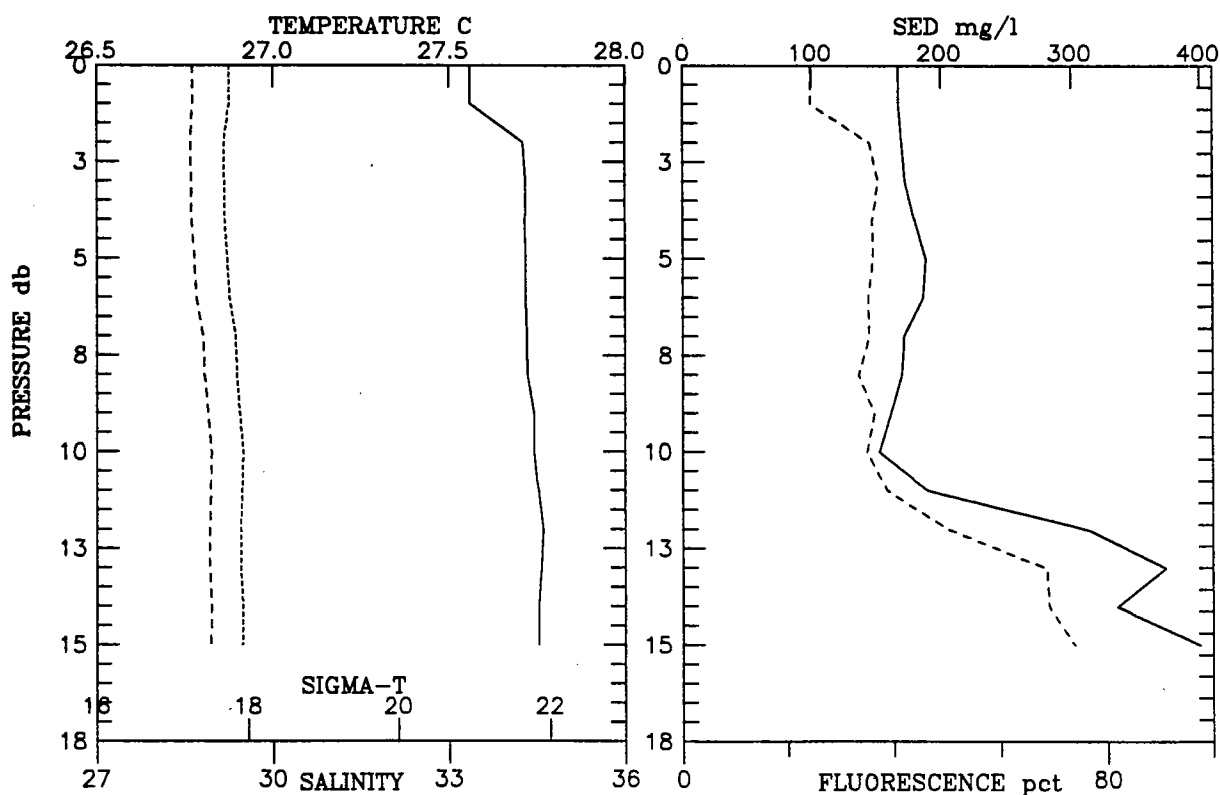
Cruise I9113 Leg 4 Station # 38.07 Depth m:17 Time: 1991-11-20 03:05  
 Position: 3° 7.75'N 50° 17.76'W Depth Deck Offset: 1.25 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.721	27.648	16.967	0.0000	0.000	23.8	98.2
1.0	27.721	27.648	16.967	0.0107	0.000	23.8	98.2
2.0	27.803	27.584	16.893	0.0214	0.000	30.7	98.9
3.0	27.826	27.568	16.874	0.0322	0.000	34.8	93.3
4.0	27.830	27.593	16.892	0.0429	0.000	34.2	96.5
5.0	27.834	27.632	16.920	0.0537	0.000	34.6	101.7
6.0	27.835	27.668	16.946	0.0644	0.000	35.0	103.2
7.0	27.835	27.768	17.021	0.0750	0.000	35.9	118.6
8.0	27.836	27.754	17.011	0.0857	0.000	34.9	106.6
9.0	27.835	27.808	17.051	0.0963	0.000	35.0	113.0
10.0	27.811	28.264	17.401	0.1067	0.000	39.7	190.3
11.0	27.791	28.555	17.625	0.1169	0.000	50.3	335.2
12.0	27.789	28.626	17.679	0.1269	0.000	57.8	335.2
13.0	27.789	28.670	17.712	0.1369	0.000	61.2	335.2
14.0	27.789	28.709	17.741	0.1468	0.000	62.0	372.7



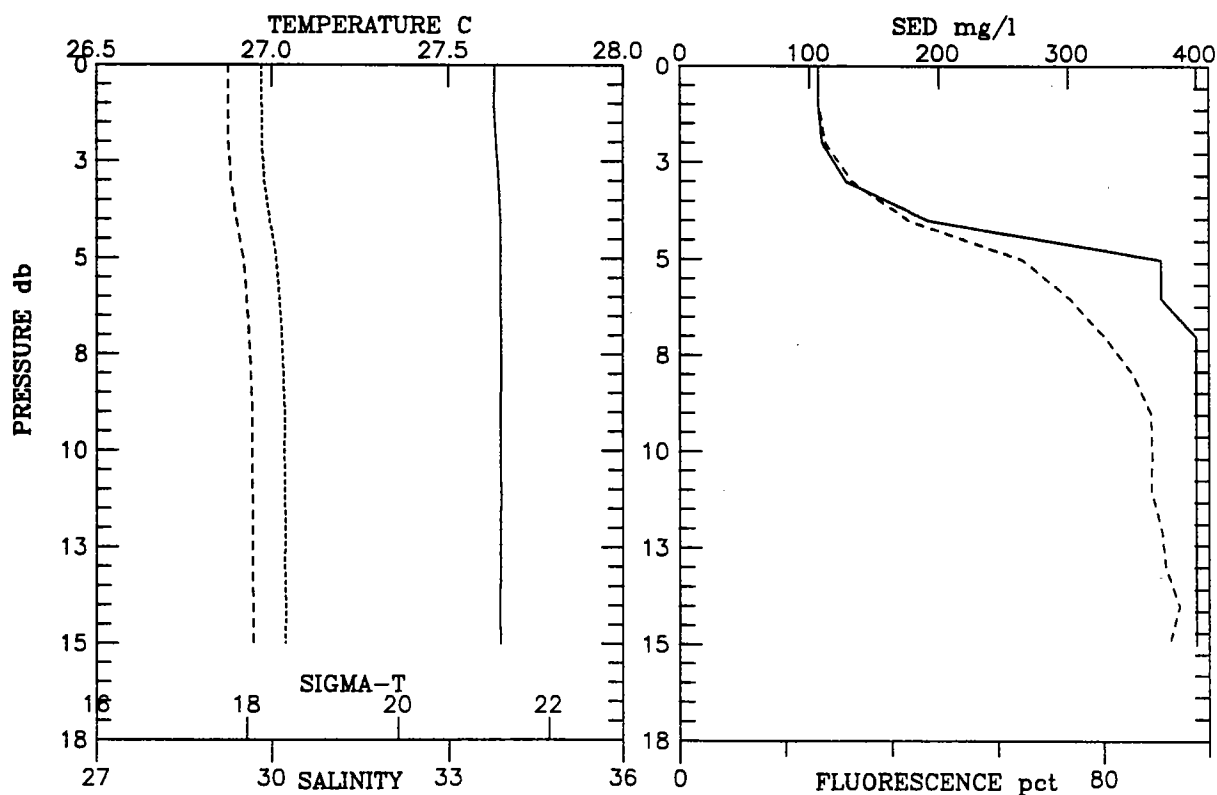
Cruise I9113 Leg 4 Station # 38.08 Depth m:18 Time: 1991-11-20 04:07  
 Position: 3° 7.71'N 50° 17.79'W Depth Deck Offset: 1.45 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.562	28.624	17.749	0.0000	0.000	24.3	167.8
1.0	27.561	28.623	17.749	0.0099	0.000	24.3	167.8
2.0	27.710	28.593	17.679	0.0199	0.000	35.5	170.3
3.0	27.716	28.606	17.687	0.0299	0.000	37.1	172.9
4.0	27.716	28.612	17.692	0.0399	0.000	36.0	180.1
5.0	27.716	28.655	17.724	0.0498	0.000	36.1	188.5
6.0	27.718	28.695	17.753	0.0598	0.000	35.2	186.7
7.0	27.721	28.805	17.834	0.0696	0.000	35.4	171.6
8.0	27.724	28.831	17.853	0.0795	0.000	33.4	170.3
9.0	27.741	28.888	17.891	0.0893	0.000	36.3	161.9
10.0	27.741	28.949	17.936	0.0991	0.000	35.0	152.8
11.0	27.753	28.935	17.922	0.1088	0.000	38.8	190.3
12.0	27.766	28.914	17.902	0.1186	0.000	50.3	313.2
13.0	27.762	28.911	17.901	0.1284	0.000	68.5	372.7
14.0	27.753	28.944	17.929	0.1381	0.000	68.9	335.2
15.0	27.753	28.937	17.923	0.1479	0.000	73.8	400.0



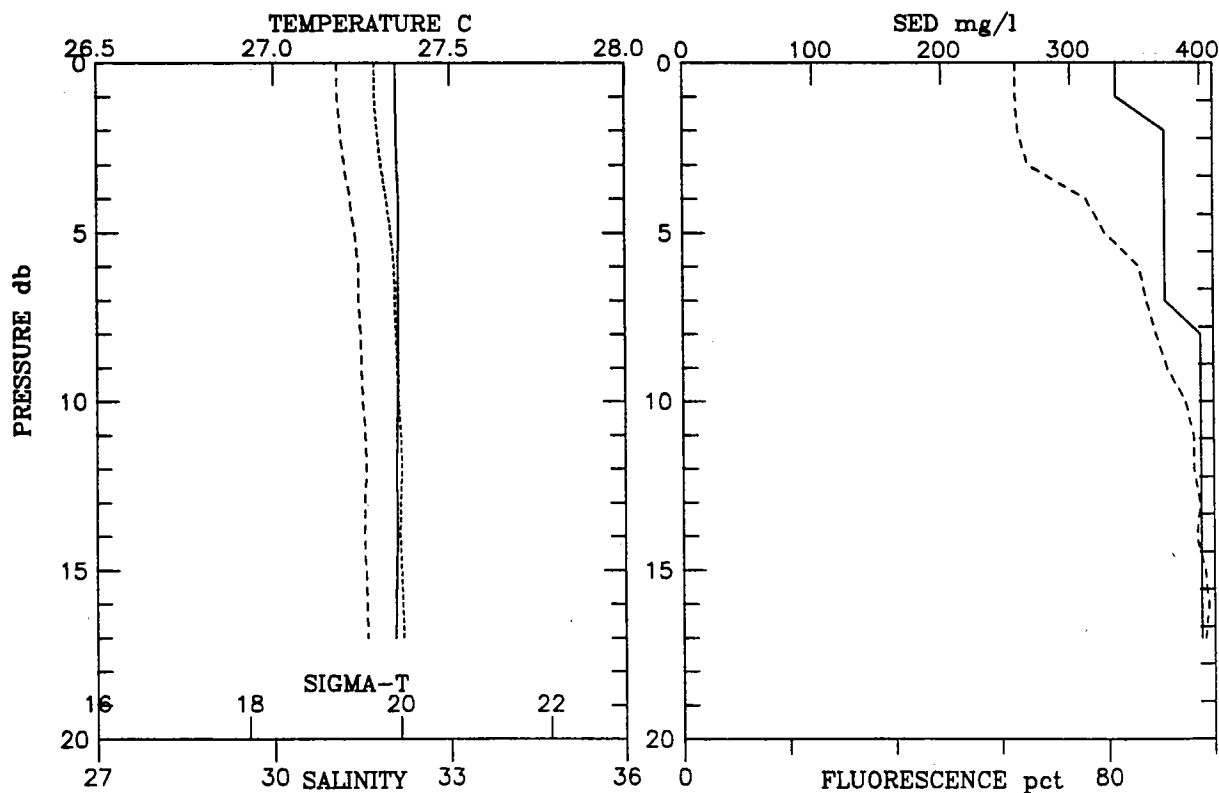
Cruise I9113 Leg 4 Station # 38.09 Depth m:18 Time: 1991-11-20 05:14  
 Position: 3° 7.67'N 50° 17.79'W Depth Deck Offset: 1.25 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.631	29.258	18.203	0.0000	0.000	26.2	107.4
1.0	27.631	29.258	18.203	0.0095	0.000	26.2	107.4
2.0	27.635	29.264	18.206	0.0190	0.000	27.5	110.3
3.0	27.643	29.309	18.237	0.0284	0.000	32.5	128.4
4.0	27.648	29.404	18.307	0.0379	0.000	43.3	192.2
5.0	27.648	29.522	18.395	0.0472	0.000	64.6	372.7
6.0	27.649	29.577	18.437	0.0565	0.000	73.5	372.7
7.0	27.650	29.617	18.466	0.0657	0.000	80.2	400.0
8.0	27.650	29.643	18.486	0.0750	0.000	85.7	400.0
9.0	27.649	29.668	18.505	0.0842	0.000	88.9	400.0
10.0	27.649	29.660	18.499	0.0934	0.000	89.2	400.0
11.0	27.649	29.669	18.505	0.1026	0.000	89.0	400.0
12.0	27.648	29.677	18.512	0.1118	0.000	91.0	400.0
13.0	27.649	29.670	18.506	0.1210	0.000	91.8	400.0
14.0	27.647	29.691	18.522	0.1302	0.000	94.4	400.0
15.0	27.647	29.683	18.516	0.1393	0.000	92.4	400.0



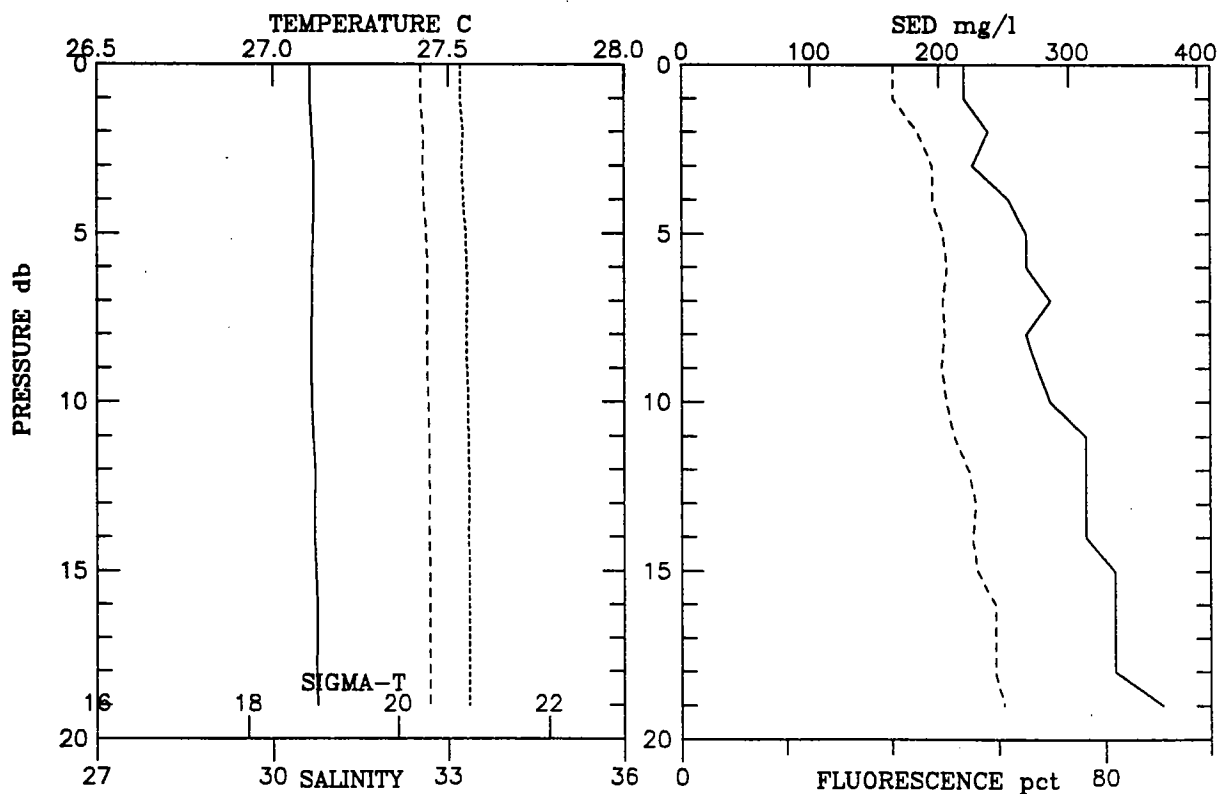
Cruise I9113 Leg 4 Station # 38.10 Depth m:19.5 Time: 1991-11-20 06:18  
 Position: 3° 7.67'N 50° 17.78'W Depth Deck Offset: 1.43 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.346	31.088	19.668	0.0000	0.000	62.9	335.2
1.0		27.346	31.088	19.668	0.0081	0.000	62.9	335.2
2.0		27.348	31.134	19.701	0.0161	0.000	63.3	372.7
3.0		27.351	31.202	19.752	0.0242	0.000	65.2	372.7
4.0		27.353	31.299	19.824	0.0321	0.000	76.1	372.7
5.0		27.353	31.375	19.881	0.0400	0.000	79.7	372.7
6.0		27.352	31.434	19.926	0.0479	0.000	86.1	372.7
7.0		27.352	31.436	19.927	0.0557	0.000	87.4	372.7
8.0		27.351	31.463	19.948	0.0635	0.000	89.2	400.0
9.0		27.351	31.479	19.960	0.0713	0.000	91.2	400.0
10.0		27.350	31.500	19.976	0.0791	0.000	94.7	400.0
11.0		27.347	31.537	20.004	0.0869	0.000	96.2	400.0
12.0		27.346	31.556	20.019	0.0946	0.000	96.2	400.0
13.0		27.347	31.531	20.000	0.1024	0.000	97.4	400.0
14.0		27.348	31.522	19.993	0.1101	0.000	96.7	400.0
15.0		27.346	31.548	20.013	0.1179	0.000	98.3	400.0
16.0		27.345	31.565	20.026	0.1256	0.000	98.9	400.0
17.0		27.343	31.576	20.035	0.1334	0.000	98.3	400.0



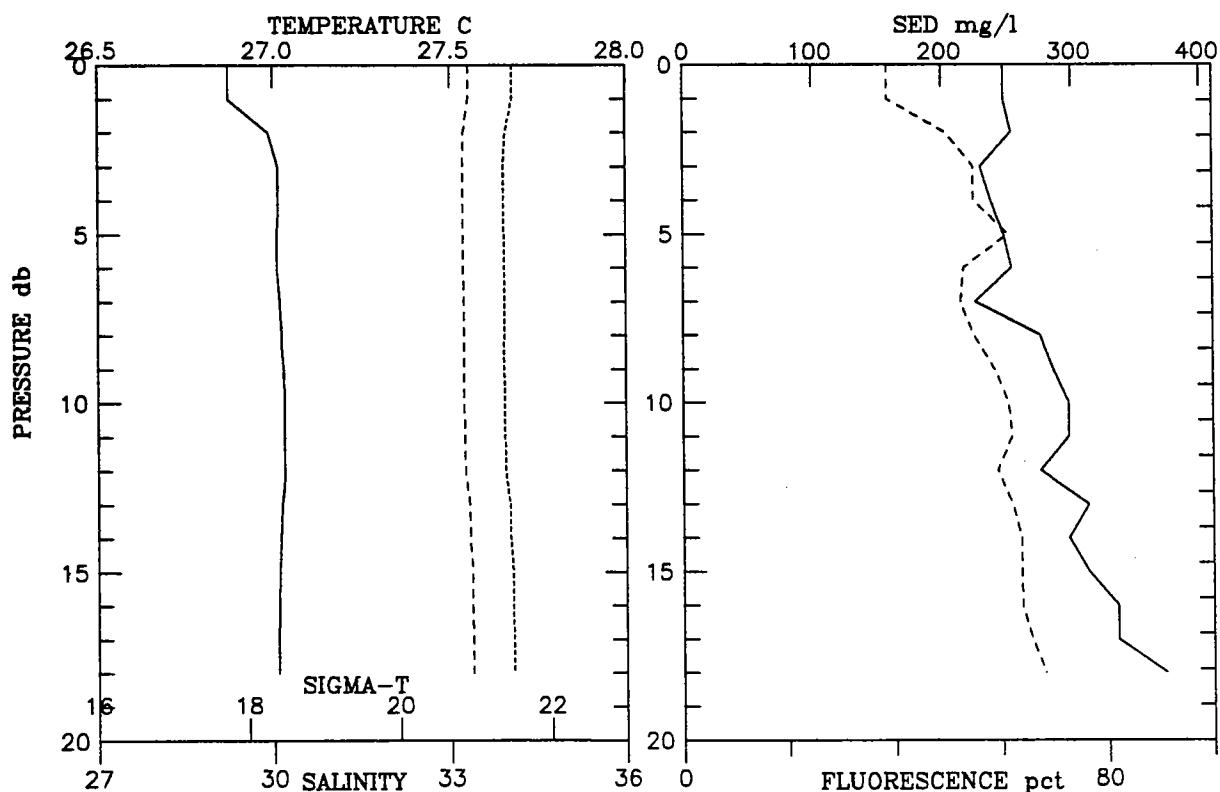
Cruise I9113 Leg 4 Station # 38.11 Depth m:20 Time: 1991-11-20 07:15  
 Position: 3° 7.66'N 50° 17.81'W Depth Deck Offset: 1.27 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.106	32.532	20.829	0.0000	0.000	40.2	219.3
1.0	27.105	32.532	20.829	0.0070	0.000	40.2	219.3
2.0	27.112	32.580	20.863	0.0139	0.000	44.8	238.1
3.0	27.116	32.566	20.851	0.0208	0.000	47.6	226.0
4.0	27.117	32.587	20.867	0.0278	0.000	47.6	253.7
5.0	27.115	32.626	20.897	0.0347	0.000	49.6	267.3
6.0	27.112	32.643	20.911	0.0416	0.000	50.3	267.3
7.0	27.111	32.649	20.915	0.0485	0.000	49.5	285.5
8.0	27.110	32.636	20.906	0.0553	0.000	49.9	267.3
9.0	27.108	32.644	20.912	0.0622	0.000	49.3	275.7
10.0	27.111	32.661	20.924	0.0691	0.000	50.3	285.5
11.0	27.116	32.672	20.931	0.0760	0.000	51.7	313.2
12.0	27.120	32.682	20.937	0.0828	0.000	54.4	313.2
13.0	27.119	32.684	20.939	0.0897	0.000	55.7	313.2
14.0	27.118	32.679	20.935	0.0966	0.000	55.1	313.2
15.0	27.122	32.688	20.941	0.1034	0.000	56.0	335.2
16.0	27.126	32.691	20.942	0.1103	0.000	59.3	335.2
17.0	27.125	32.685	20.938	0.1171	0.000	59.4	335.2
18.0	27.125	32.686	20.939	0.1240	0.000	59.3	335.2
19.0	27.127	32.687	20.939	0.1309	0.000	61.0	372.7



Cruise I9113 Leg 4 Station # 38.12 Depth m:20 Time: 1991-11-20 08:06  
 Position: 3° 7.69'N 50° 17.81'W Depth Deck Offset: 1.33 Fish 1

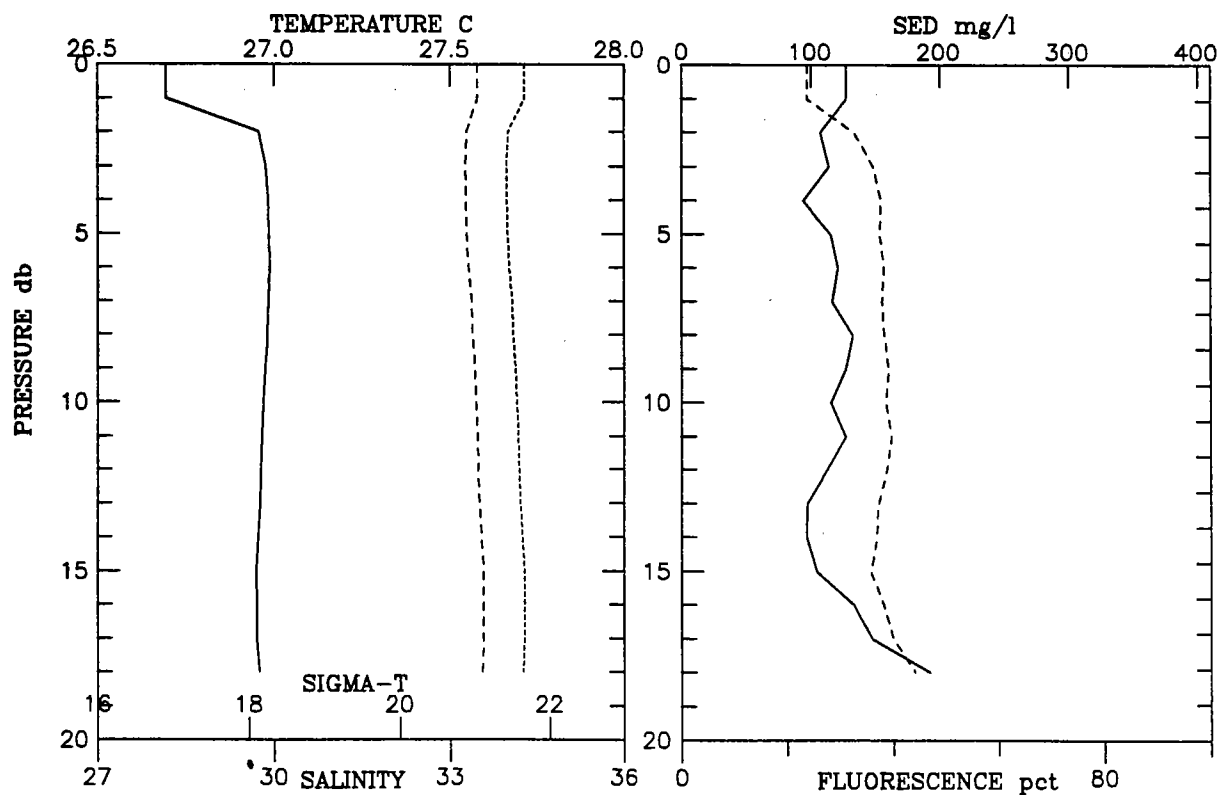
PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 26.873	33.317	21.493	0.0000	0.000	38.6	248.0
1.0	26.873	33.317	21.493	0.0063	0.000	38.6	248.0
2.0	26.987	33.239	21.398	0.0127	0.000	49.6	253.7
3.0	27.015	33.221	21.376	0.0191	0.000	54.8	229.8
4.0	27.015	33.224	21.378	0.0256	0.000	54.8	238.1
5.0	27.011	33.225	21.380	0.0320	0.000	61.3	248.0
6.0	27.012	33.225	21.380	0.0384	0.000	52.9	253.7
7.0	27.018	33.232	21.383	0.0449	0.000	52.3	226.0
8.0	27.025	33.230	21.380	0.0513	0.000	54.8	275.7
9.0	27.030	33.231	21.379	0.0577	0.000	58.7	285.5
10.0	27.031	33.238	21.384	0.0642	0.000	61.3	297.6
11.0	27.032	33.243	21.387	0.0706	0.000	61.9	297.6
12.0	27.032	33.251	21.393	0.0770	0.000	59.2	275.7
13.0	27.024	33.321	21.449	0.0834	0.000	61.9	313.2
14.0	27.021	33.330	21.456	0.0898	0.000	63.6	297.6
15.0	27.016	33.366	21.485	0.0961	0.000	63.6	313.2
16.0	27.015	33.363	21.483	0.1025	0.000	63.7	335.2
17.0	27.013	33.377	21.494	0.1088	0.000	65.5	335.2
18.0	27.014	33.375	21.492	0.1151	0.000	68.0	372.7





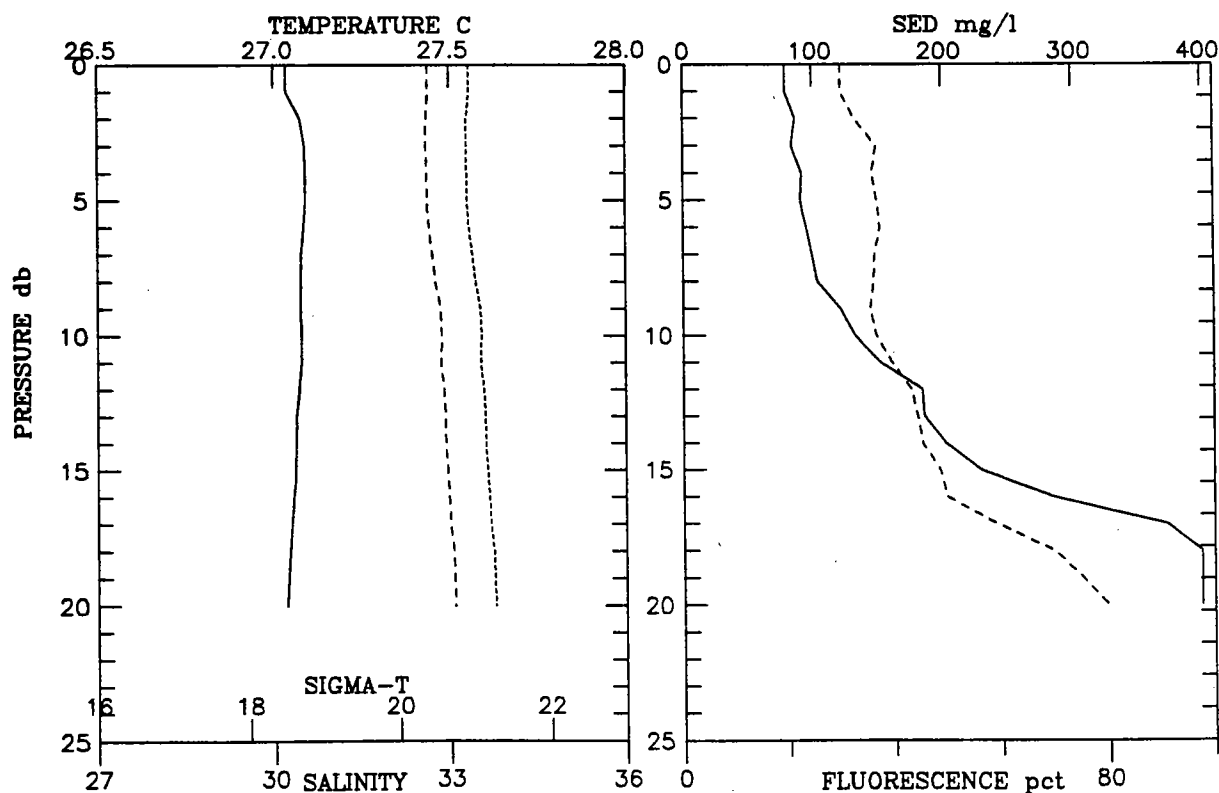
Cruise I9113 Leg 4 Station # 38.13 Depth m:19.5 Time: 1991-11-20 09:06  
 Position: 3° 7.74'N 50° 17.78'W Depth Deck Offset: 1.27 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 26.694	33.472	21.666	0.0000	0.000	23.7	127.8
1.0	26.694	33.472	21.666	0.0062	0.000	23.7	127.8
2.0	26.957	33.289	21.445	0.0124	0.000	32.6	107.8
3.0	26.978	33.269	21.424	0.0188	0.000	36.2	114.3
4.0	26.983	33.278	21.429	0.0252	0.000	37.6	94.2
5.0	26.986	33.291	21.438	0.0316	0.000	37.4	115.7
6.0	26.987	33.322	21.461	0.0379	0.000	38.2	121.2
7.0	26.985	33.374	21.501	0.0443	0.000	37.8	116.7
8.0	26.980	33.388	21.513	0.0506	0.000	38.3	132.7
9.0	26.974	33.429	21.545	0.0569	0.000	39.0	127.2
10.0	26.970	33.448	21.561	0.0631	0.000	38.6	115.7
11.0	26.965	33.472	21.581	0.0694	0.000	39.6	127.2
12.0	26.963	33.486	21.592	0.0756	0.000	38.8	112.5
13.0	26.960	33.505	21.607	0.0819	0.000	37.1	97.2
14.0	26.954	33.538	21.634	0.0881	0.000	36.8	96.8
15.0	26.949	33.575	21.663	0.0943	0.000	35.7	104.7
16.0	26.951	33.575	21.663	0.1004	0.000	38.1	133.4
17.0	26.952	33.574	21.662	0.1066	0.000	39.9	147.5
18.0	26.958	33.556	21.646	0.1128	0.000	44.1	192.2



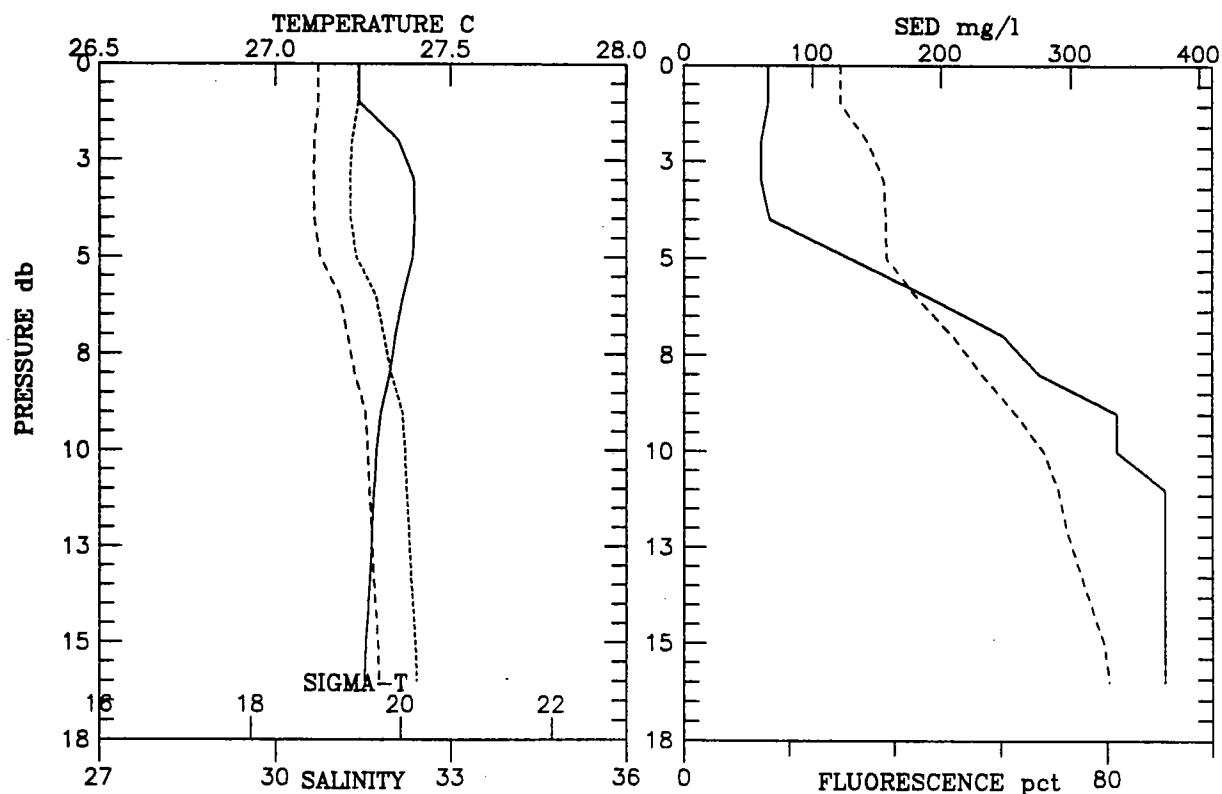
Cruise I9113 Leg 4 Station # 38.14 Depth m:19.2 Time: 1991-11-20 10:08  
 Position: 3° 7.76'N 50° 17.71'W Depth Deck Offset: 1.30 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.038	32.643	20.934	0.0000	0.000	29.9	79.1
1.0	27.037	32.643	20.934	0.0069	0.000	29.9	79.1
2.0	27.078	32.618	20.903	0.0137	0.000	32.5	87.1
3.0	27.090	32.616	20.897	0.0206	0.000	36.6	84.4
4.0	27.091	32.625	20.904	0.0275	0.000	35.8	92.1
5.0	27.091	32.630	20.907	0.0344	0.000	36.7	91.2
6.0	27.086	32.661	20.932	0.0413	0.000	37.3	95.5
7.0	27.079	32.717	20.977	0.0481	0.000	36.3	100.3
8.0	27.078	32.767	21.015	0.0549	0.000	36.0	104.3
9.0	27.077	32.854	21.080	0.0617	0.000	35.4	122.2
10.0	27.078	32.870	21.092	0.0684	0.000	36.6	133.4
11.0	27.079	32.858	21.082	0.0751	0.000	39.5	152.8
12.0	27.070	32.907	21.122	0.0818	0.000	43.1	185.0
13.0	27.063	32.927	21.139	0.0885	0.000	44.3	186.7
14.0	27.062	32.933	21.144	0.0952	0.000	45.2	202.9
15.0	27.060	32.962	21.167	0.1018	0.000	48.5	229.8
16.0	27.054	32.988	21.188	0.1084	0.000	49.8	285.5
17.0	27.050	33.012	21.208	0.1151	0.000	59.1	372.7
18.0	27.044	33.059	21.245	0.1216	0.000	69.8	400.0
19.0	27.038	33.073	21.257	0.1282	0.000	75.1	400.0
20.0	27.036	33.082	21.265	0.1348	0.000	79.8	400.0



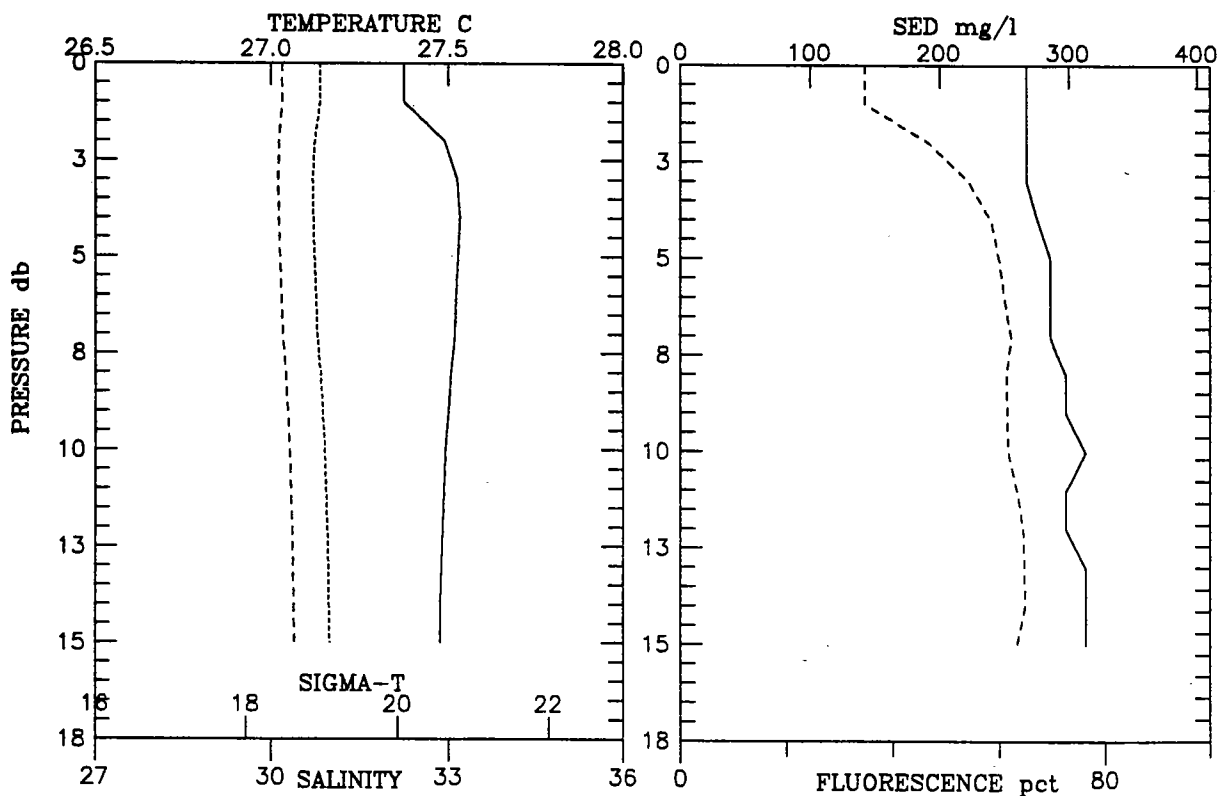
Cruise I9113 Leg 4 Station # 38.15 Depth m:18.6 Time: 1991-11-20 11:08  
 Position: 3° 7.78'N 50° 17.73'W Depth Deck Offset: 1.37 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.240	30.735	19.436	0.0000	0.000	29.8	65.6
1.0		27.239	30.735	19.436	0.0083	0.000	29.8	65.6
2.0		27.352	30.670	19.352	0.0166	0.000	35.0	60.1
3.0		27.396	30.656	19.327	0.0250	0.000	38.0	60.0
4.0		27.398	30.664	19.332	0.0334	0.000	38.4	67.1
5.0		27.392	30.763	19.409	0.0418	0.000	38.5	129.0
6.0		27.364	31.099	19.670	0.0500	0.000	44.2	190.3
7.0		27.343	31.228	19.773	0.0580	0.000	51.0	248.0
8.0		27.327	31.351	19.871	0.0660	0.000	56.5	275.7
9.0		27.301	31.540	20.021	0.0738	0.000	62.8	335.2
10.0		27.288	31.579	20.055	0.0815	0.000	68.1	335.2
11.0		27.281	31.606	20.077	0.0892	0.000	70.8	372.7
12.0		27.275	31.640	20.105	0.0969	0.000	72.3	372.7
13.0		27.271	31.670	20.128	0.1045	0.000	74.5	372.7
14.0		27.264	31.710	20.161	0.1121	0.000	76.9	372.7
15.0		27.257	31.752	20.194	0.1197	0.000	79.4	372.7
16.0		27.253	31.777	20.215	0.1273	0.000	80.4	372.7



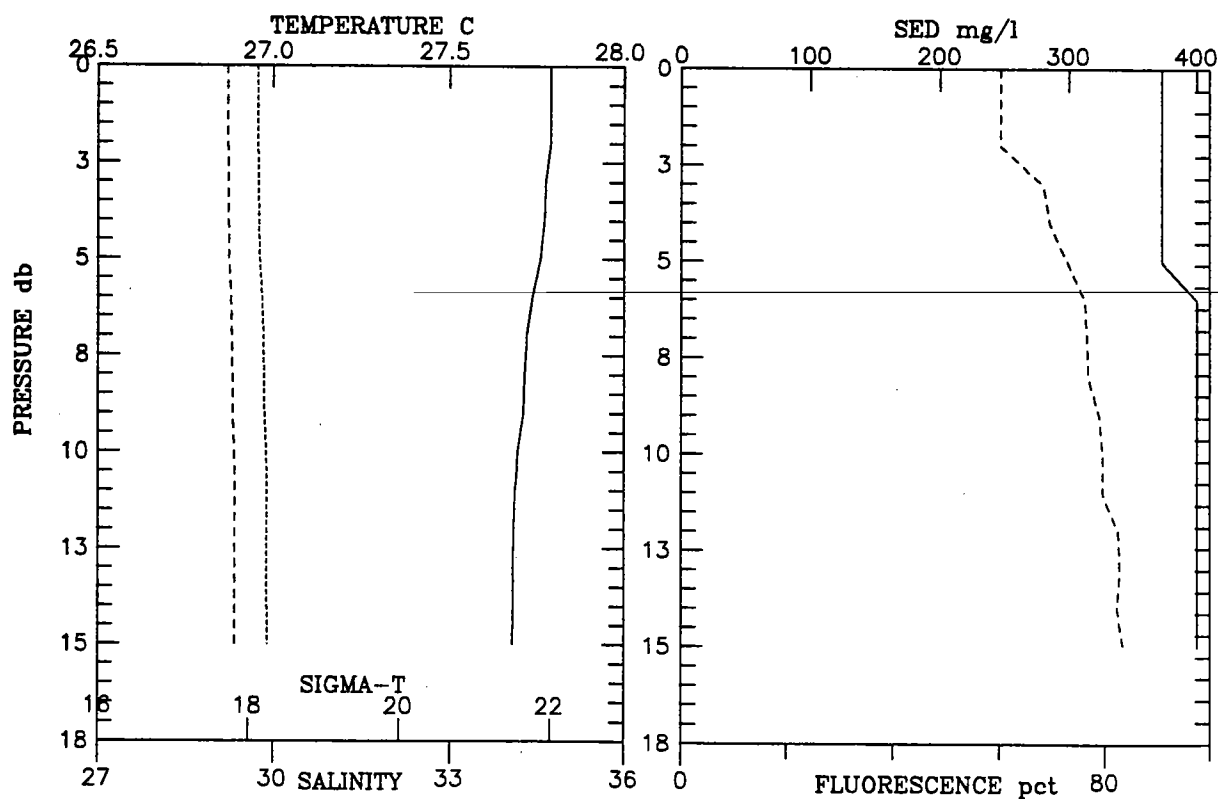
Cruise I9113 Leg 4 Station # 38.16 Depth m:18 Time: 1991-11-20 12:08  
 Position: 3° 8.56'N 50° 16.99'W Depth Deck Offset: 1.33 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.375	30.189	18.983	0.0000	0.000	34.8	267.3
1.0		27.375	30.189	18.983	0.0087	0.000	34.8	267.3
2.0		27.489	30.140	18.910	0.0175	0.000	46.8	267.3
3.0		27.527	30.119	18.882	0.0263	0.000	54.3	267.3
4.0		27.532	30.133	18.891	0.0352	0.000	58.5	275.7
5.0		27.528	30.153	18.907	0.0440	0.000	60.0	285.5
6.0		27.523	30.178	18.928	0.0528	0.000	61.0	285.5
7.0		27.518	30.198	18.944	0.0615	0.000	62.3	285.5
8.0		27.508	30.249	18.986	0.0703	0.000	61.4	297.6
9.0		27.501	30.285	19.015	0.0790	0.000	61.5	297.6
10.0		27.492	30.317	19.042	0.0877	0.000	61.7	313.2
11.0		27.488	30.337	19.058	0.0964	0.000	63.4	297.6
12.0		27.483	30.360	19.077	0.1050	0.000	64.5	297.6
13.0		27.480	30.375	19.089	0.1137	0.000	64.7	313.2
14.0		27.477	30.382	19.096	0.1223	0.000	64.8	313.2
15.0		27.477	30.395	19.105	0.1310	0.000	63.3	313.2



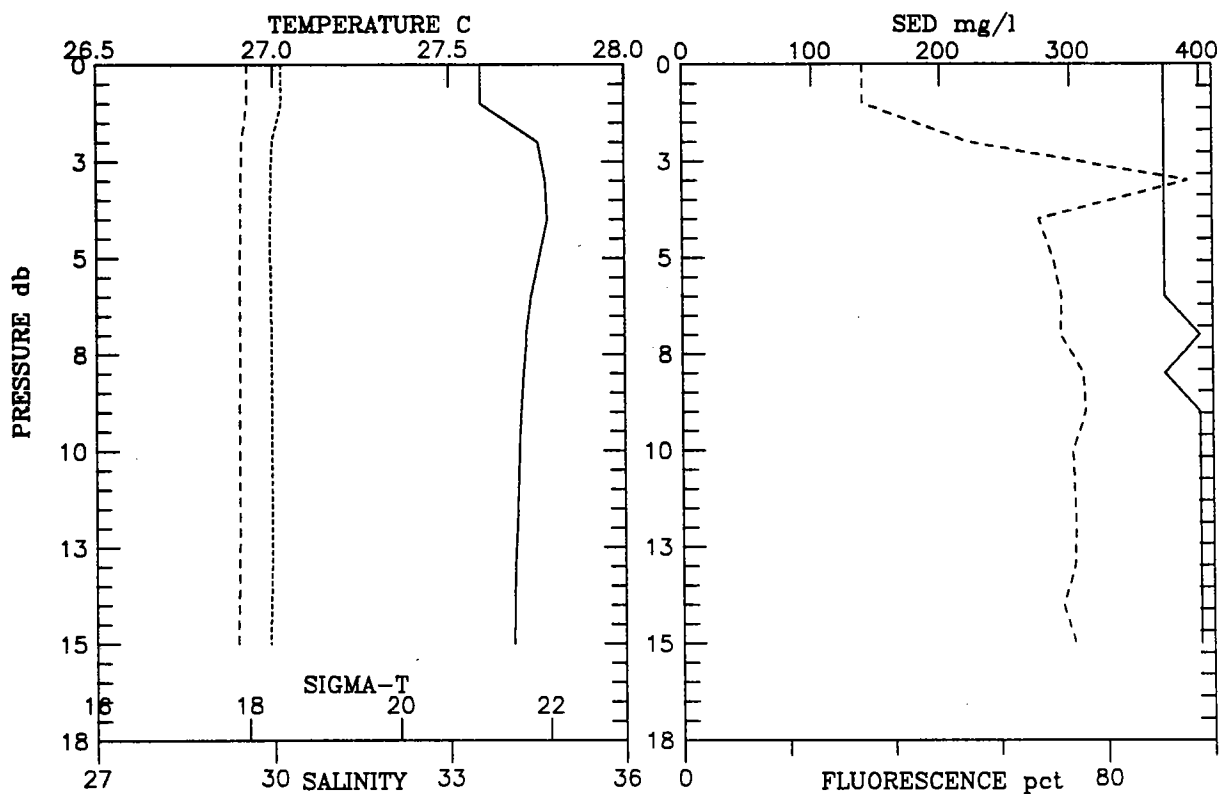
Cruise I9113 Leg 4 Station # 38.17 Depth m:18 Time: 1991-11-20 13:10  
 Position: 3° 9.13'N 50° 16.61'W Depth Deck Offset: 1.40 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.788	29.233	18.135	0.0000	0.000	60.2	372.7
1.0	E	27.788	29.233	18.135	0.0096	0.000	60.2	372.7
2.0		27.788	29.233	18.135	0.0191	0.000	60.2	372.7
3.0		27.774	29.238	18.143	0.0287	0.000	68.3	372.7
4.0		27.770	29.241	18.146	0.0382	0.000	69.5	372.7
5.0		27.758	29.255	18.161	0.0477	0.000	72.9	372.7
6.0		27.736	29.283	18.189	0.0572	0.000	76.2	400.0
7.0		27.719	29.303	18.209	0.0667	0.000	76.6	400.0
8.0		27.714	29.309	18.215	0.0762	0.000	76.9	400.0
9.0		27.710	29.315	18.221	0.0857	0.000	79.0	400.0
10.0		27.693	29.340	18.245	0.0952	0.000	79.6	400.0
11.0		27.686	29.345	18.251	0.1046	0.000	79.6	400.0
12.0		27.682	29.346	18.253	0.1140	0.000	82.6	400.0
13.0		27.681	29.346	18.254	0.1235	0.000	82.8	400.0
14.0		27.680	29.347	18.254	0.1329	0.000	82.3	400.0
15.0		27.679	29.350	18.257	0.1424	0.000	83.4	400.0



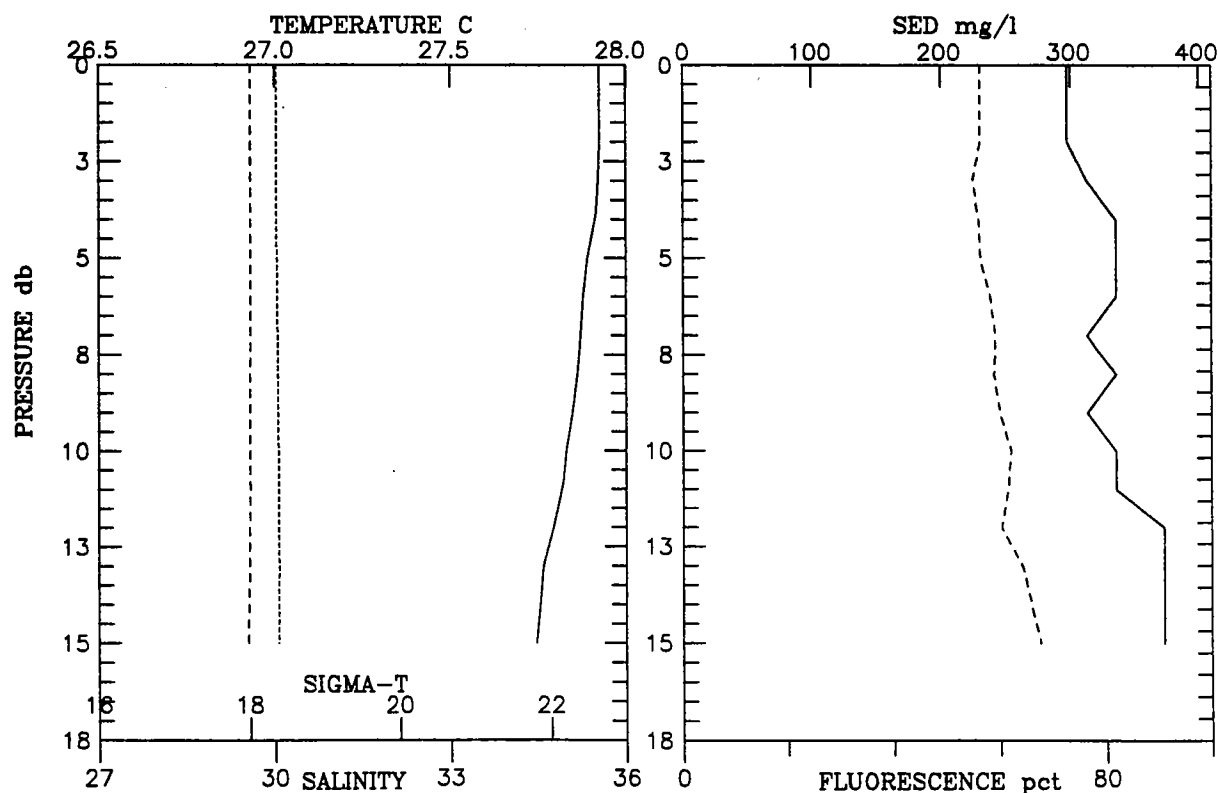
Cruise I9113 Leg 4 Station # 38.18 Depth m:17.6 Time: 1991-11-20 14:09  
 Position: 3° 9.22'N 50° 16.57'W Depth Deck Offset: 1.40 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.592	29.569	18.449	0.0000	0.000	34.2	372.7
1.0	27.591	29.569	18.449	0.0092	0.000	34.2	372.7
2.0	27.755	29.472	18.324	0.0186	0.000	54.3	372.7
3.0	27.775	29.457	18.307	0.0279	0.000	95.4	372.7
4.0	27.781	29.447	18.297	0.0373	0.000	67.4	372.7
5.0	27.758	29.436	18.297	0.0467	0.000	70.0	372.7
6.0	27.734	29.432	18.301	0.0561	0.000	71.5	372.7
7.0	27.719	29.434	18.307	0.0655	0.000	71.4	400.0
8.0	27.712	29.433	18.309	0.0749	0.000	75.6	372.7
9.0	27.705	29.429	18.308	0.0843	0.000	76.0	400.0
10.0	27.698	29.428	18.309	0.0937	0.000	73.6	400.0
11.0	27.695	29.428	18.310	0.1031	0.000	73.8	400.0
12.0	27.691	29.424	18.309	0.1124	0.000	74.1	400.0
13.0	27.686	29.417	18.305	0.1218	0.000	73.8	400.0
14.0	27.683	29.401	18.294	0.1312	0.000	71.7	400.0
15.0	27.683	29.388	18.284	0.1406	0.000	73.9	400.0



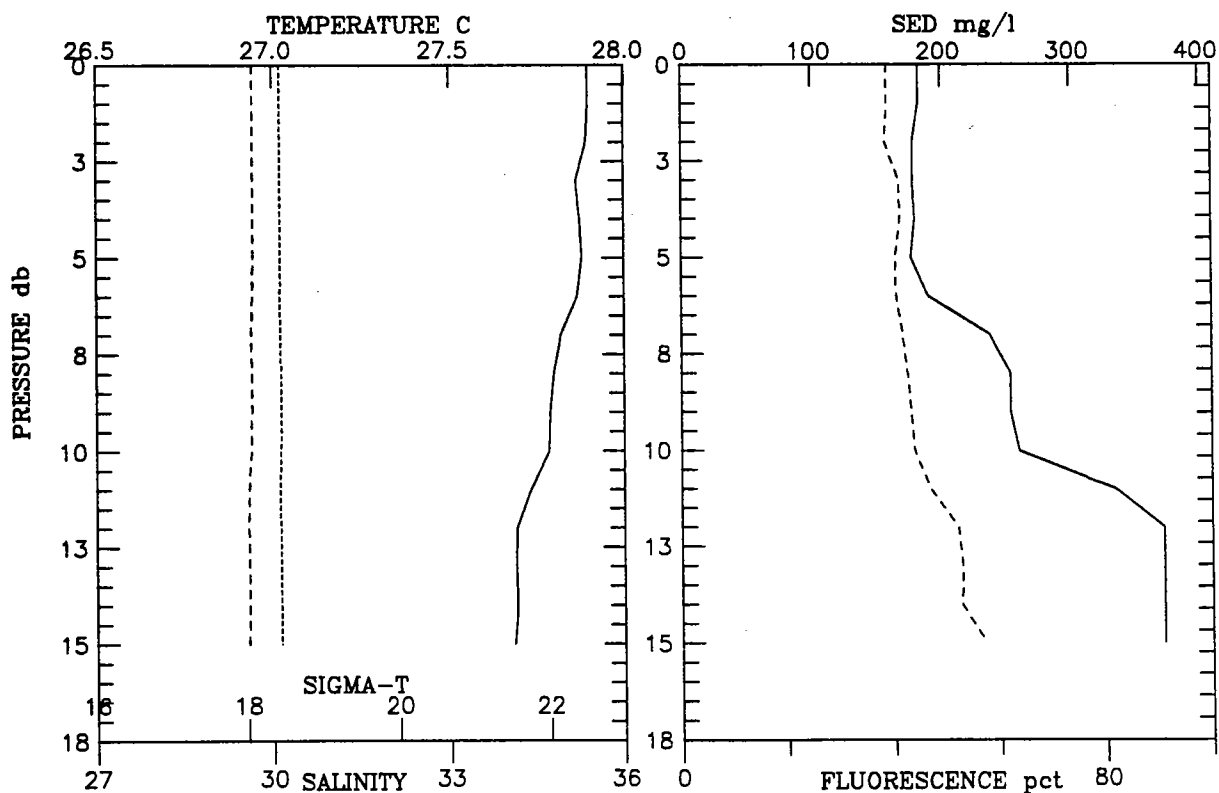
Cruise I9113 Leg 4 Station # 38.19 Depth m:17.5 Time: 1991-11-20 15:01  
 Position: 3° 9.21'N 50° 16.61'W Depth Deck Offset: 1.43 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.925	29.592	18.360	0.0000	0.000	56.2	297.6
1.0	E	27.925	29.592	18.360	0.0093	0.000	56.2	297.6
2.0		27.924	29.592	18.360	0.0187	0.000	56.2	297.6
3.0		27.921	29.589	18.359	0.0280	0.000	54.9	313.2
4.0		27.911	29.587	18.361	0.0373	0.000	56.0	335.2
5.0		27.889	29.587	18.368	0.0467	0.000	56.3	335.2
6.0		27.877	29.587	18.372	0.0560	0.000	58.1	335.2
7.0		27.870	29.587	18.374	0.0653	0.000	59.1	313.2
8.0		27.861	29.583	18.374	0.0746	0.000	58.8	335.2
9.0		27.846	29.582	18.378	0.0840	0.000	59.9	313.2
10.0		27.828	29.580	18.382	0.0933	0.000	62.0	335.2
11.0		27.815	29.584	18.389	0.1026	0.000	61.4	335.2
12.0		27.792	29.568	18.385	0.1119	0.000	60.2	372.7
13.0		27.762	29.566	18.393	0.1212	0.000	64.1	372.7
14.0		27.754	29.554	18.386	0.1305	0.000	65.8	372.7
15.0		27.742	29.545	18.383	0.1399	0.000	67.5	372.7



Cruise I9113 Leg 4 Station # 38.20 Depth m:19 Time: 1991-11-20 16:03  
 Position: 3° 9.15'N 50° 16.61'W Depth Deck Offset: 1.58 Fish 1

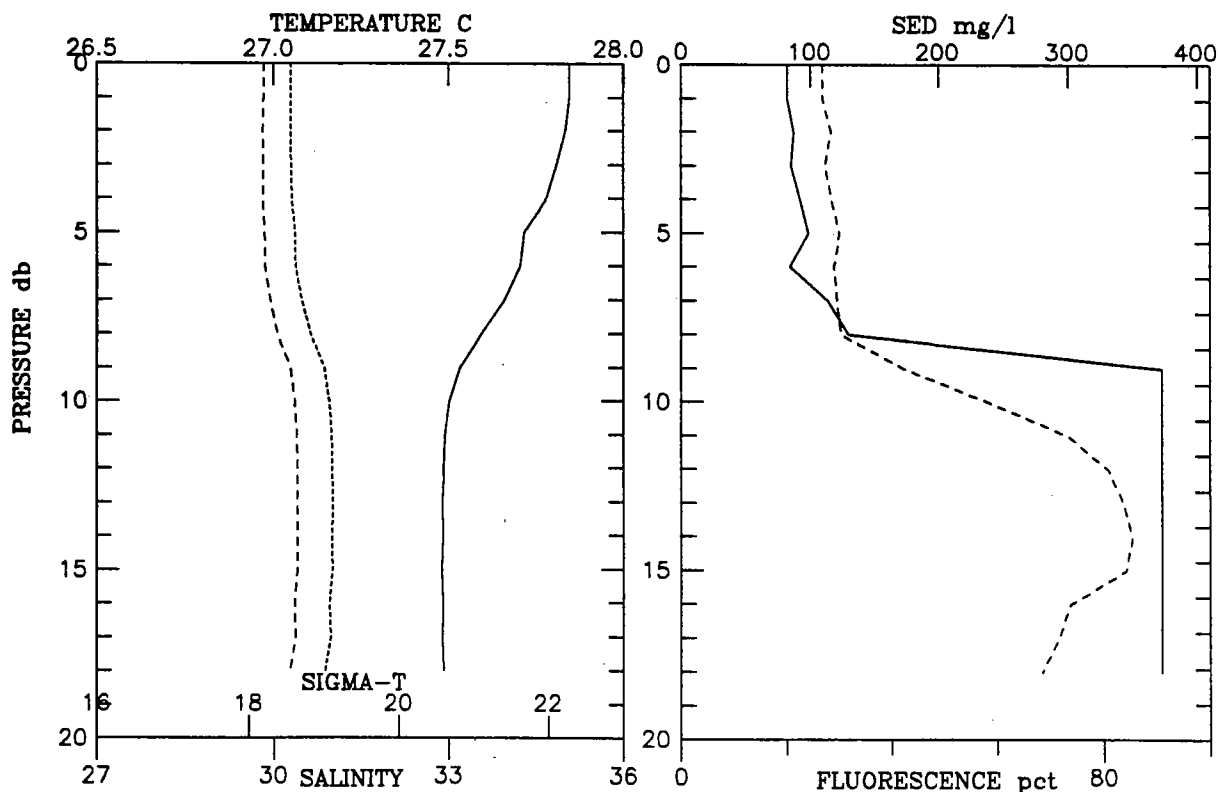
PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.897	29.678	18.433	0.0000	0.000	38.8	183.3
1.0	27.897	29.678	18.433	0.0093	0.000	38.8	183.3
2.0	27.892	29.676	18.433	0.0185	0.000	38.4	178.6
3.0	27.863	29.673	18.441	0.0278	0.000	41.0	178.6
4.0	27.873	29.678	18.441	0.0370	0.000	41.2	180.1
5.0	27.878	29.672	18.435	0.0463	0.000	40.3	177.1
6.0	27.864	29.661	18.431	0.0556	0.000	40.4	190.3
7.0	27.817	29.643	18.433	0.0648	0.000	41.6	238.1
8.0	27.798	29.652	18.446	0.0741	0.000	42.5	253.7
9.0	27.787	29.650	18.448	0.0834	0.000	43.2	253.7
10.0	27.783	29.640	18.441	0.0926	0.000	43.8	260.1
11.0	27.730	29.595	18.425	0.1019	0.000	46.8	335.2
12.0	27.691	29.593	18.435	0.1112	0.000	52.0	372.7
13.0	27.688	29.597	18.440	0.1204	0.000	52.7	372.7
14.0	27.690	29.595	18.437	0.1297	0.000	52.6	372.7
15.0	27.683	29.593	18.438	0.1389	0.000	57.2	372.7





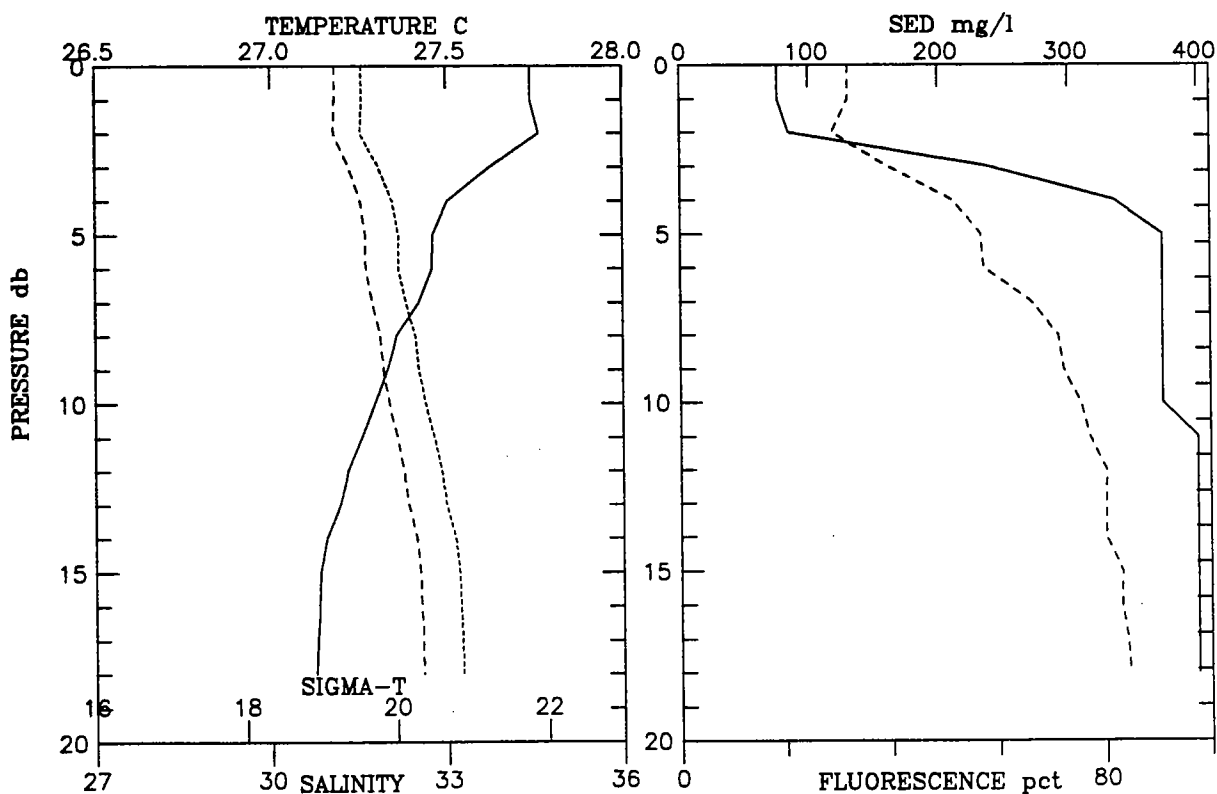
Cruise I9113 Leg 4 Station # 38.21 Depth m:19.6 Time: 1991-11-20 17:12  
 Position: 3° 9.12'N 50° 16.64'W Depth Deck Offset: 1.60 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.847	29.834	18.567	0.0000	0.000	26.8	82.1
1.0	27.846	29.834	18.567	0.0091	0.000	26.8	82.1
2.0	27.836	29.822	18.561	0.0183	0.000	28.4	87.4
3.0	27.810	29.826	18.572	0.0274	0.000	27.3	85.5
4.0	27.781	29.824	18.580	0.0365	0.000	28.5	92.4
5.0	27.718	29.855	18.623	0.0456	0.000	30.0	98.9
6.0	27.706	29.857	18.629	0.0547	0.000	29.0	84.4
7.0	27.661	29.946	18.710	0.0638	0.000	29.5	113.9
8.0	27.595	30.073	18.826	0.0727	0.000	30.3	130.2
9.0	27.533	30.292	19.010	0.0815	0.000	42.2	372.7
10.0	27.502	30.362	19.072	0.0902	0.000	58.3	372.7
11.0	27.490	30.397	19.102	0.0988	0.000	73.3	372.7
12.0	27.486	30.407	19.111	0.1074	0.000	80.8	372.7
13.0	27.483	30.408	19.113	0.1161	0.000	83.7	372.7
14.0	27.484	30.406	19.111	0.1247	0.000	85.3	372.7
15.0	27.480	30.405	19.112	0.1333	0.000	84.1	372.7
16.0	27.483	30.359	19.076	0.1419	0.000	73.6	372.7
17.0	27.482	30.376	19.089	0.1506	0.000	71.5	372.7
18.0	27.486	30.276	19.013	0.1592	0.000	68.3	372.7



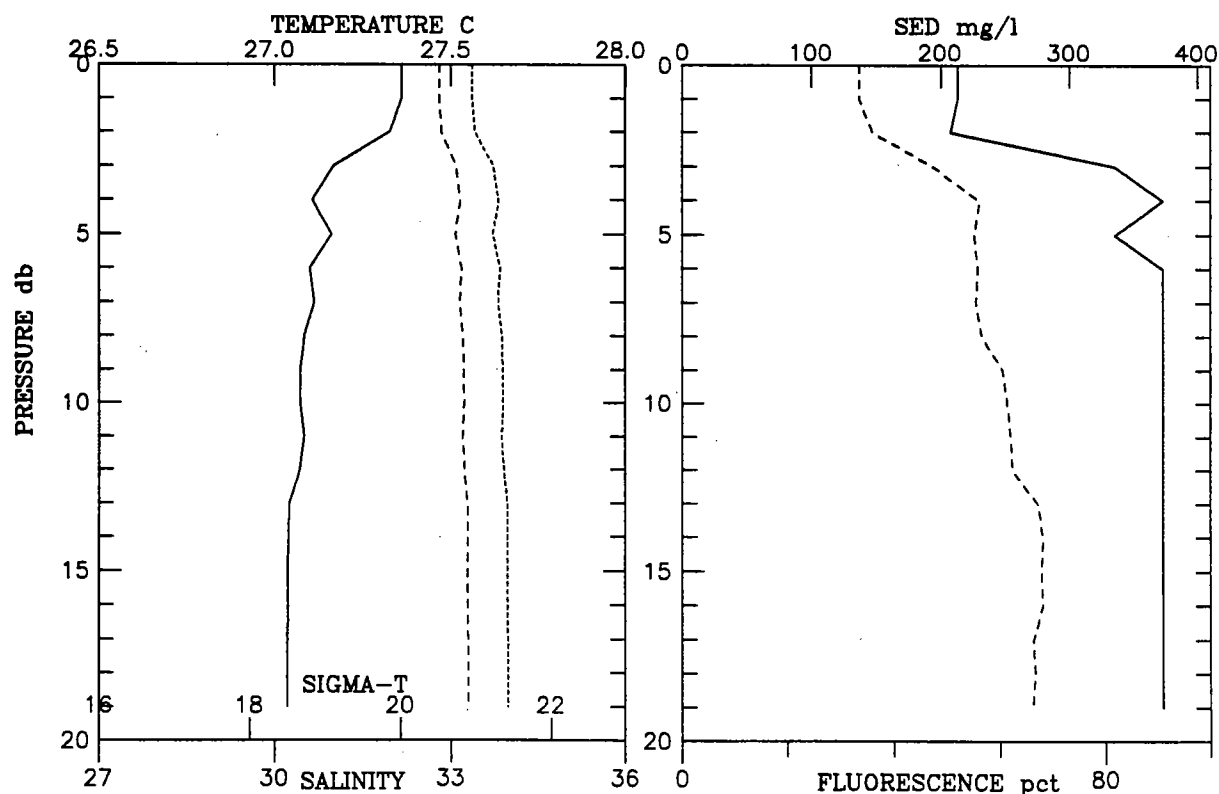
Cruise I9113 Leg 4 Station # 38.22 Depth m:20 Time: 1991-11-20 18:17  
 Position: 3° 9.08'N 50° 16.63'W Depth Deck Offset: 1.50 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.739	31.101	19.552	0.0000	0.000	32.0	76.3
1.0	27.739	31.101	19.552	0.0082	0.000	32.0	76.3
2.0	27.762	31.084	19.531	0.0164	0.000	28.9	84.7
3.0	27.622	31.341	19.769	0.0245	0.000	39.3	238.1
4.0	27.503	31.534	19.952	0.0324	0.000	51.5	335.2
5.0	27.461	31.620	20.030	0.0401	0.000	56.8	372.7
6.0	27.459	31.623	20.033	0.0479	0.000	57.3	372.7
7.0	27.420	31.736	20.130	0.0555	0.000	66.2	372.7
8.0	27.356	31.870	20.251	0.0631	0.000	71.2	372.7
9.0	27.332	31.924	20.300	0.0706	0.000	72.2	372.7
10.0	27.296	32.023	20.386	0.0780	0.000	75.4	372.7
11.0	27.257	32.156	20.498	0.0854	0.000	77.1	400.0
12.0	27.218	32.267	20.594	0.0926	0.000	80.2	400.0
13.0	27.194	32.340	20.656	0.0998	0.000	80.1	400.0
14.0	27.157	32.479	20.772	0.1068	0.000	80.1	400.0
15.0	27.139	32.537	20.822	0.1138	0.000	83.1	400.0
16.0	27.134	32.558	20.839	0.1208	0.000	83.0	400.0
17.0	27.129	32.582	20.859	0.1278	0.000	84.1	400.0
18.0	27.126	32.586	20.863	0.1347	0.000	84.4	400.0



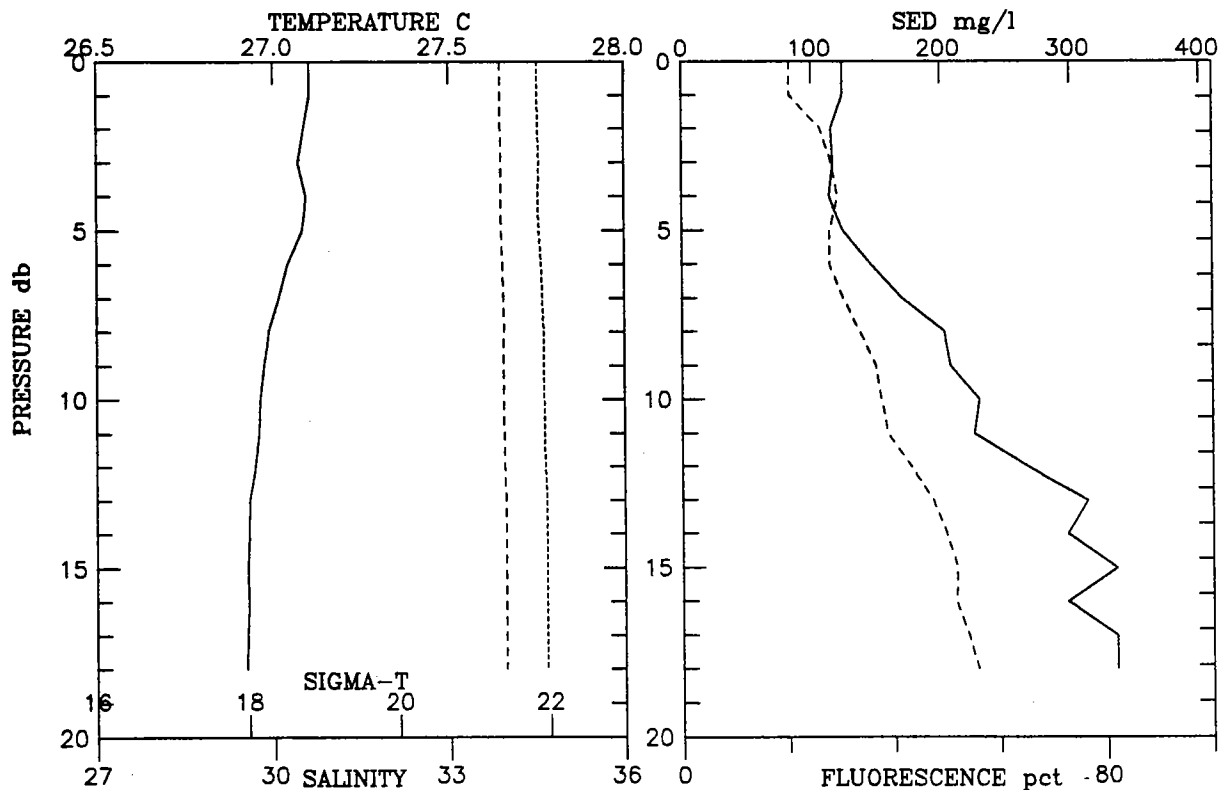
Cruise I9113 Leg 4 Station # 38.23 Depth m:20.5 Time: 1991-11-20 19:14  
 Position: 3° 8.96'N 50° 16.73'W Depth Deck Offset: 1.33 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.361	32.802	20.950	0.0000	0.000	33.4	213.2
1.0	27.361	32.801	20.950	0.0068	0.000	33.4	213.2
2.0	27.328	32.841	20.990	0.0137	0.000	35.9	207.8
3.0	27.167	33.092	21.230	0.0204	0.000	47.3	335.2
4.0	27.107	33.162	21.302	0.0269	0.000	56.1	372.7
5.0	27.163	33.081	21.223	0.0334	0.000	55.1	335.2
6.0	27.101	33.186	21.322	0.0400	0.000	55.8	372.7
7.0	27.114	33.154	21.294	0.0465	0.000	55.4	372.7
8.0	27.085	33.213	21.347	0.0530	0.000	56.5	372.7
9.0	27.074	33.220	21.356	0.0594	0.000	60.5	372.7
10.0	27.073	33.227	21.362	0.0659	0.000	61.3	372.7
11.0	27.085	33.203	21.340	0.0724	0.000	62.0	372.7
12.0	27.072	33.238	21.370	0.0788	0.000	62.3	372.7
13.0	27.042	33.286	21.416	0.0852	0.000	67.1	372.7
14.0	27.040	33.283	21.414	0.0916	0.000	68.1	372.7
15.0	27.038	33.285	21.416	0.0980	0.000	67.8	372.7
16.0	27.039	33.283	21.414	0.1044	0.000	68.1	372.7
17.0	27.037	33.292	21.422	0.1108	0.000	66.3	372.7
18.0	27.037	33.296	21.425	0.1172	0.000	66.6	372.7
19.0	27.036	33.296	21.425	0.1236	0.000	66.2	372.7



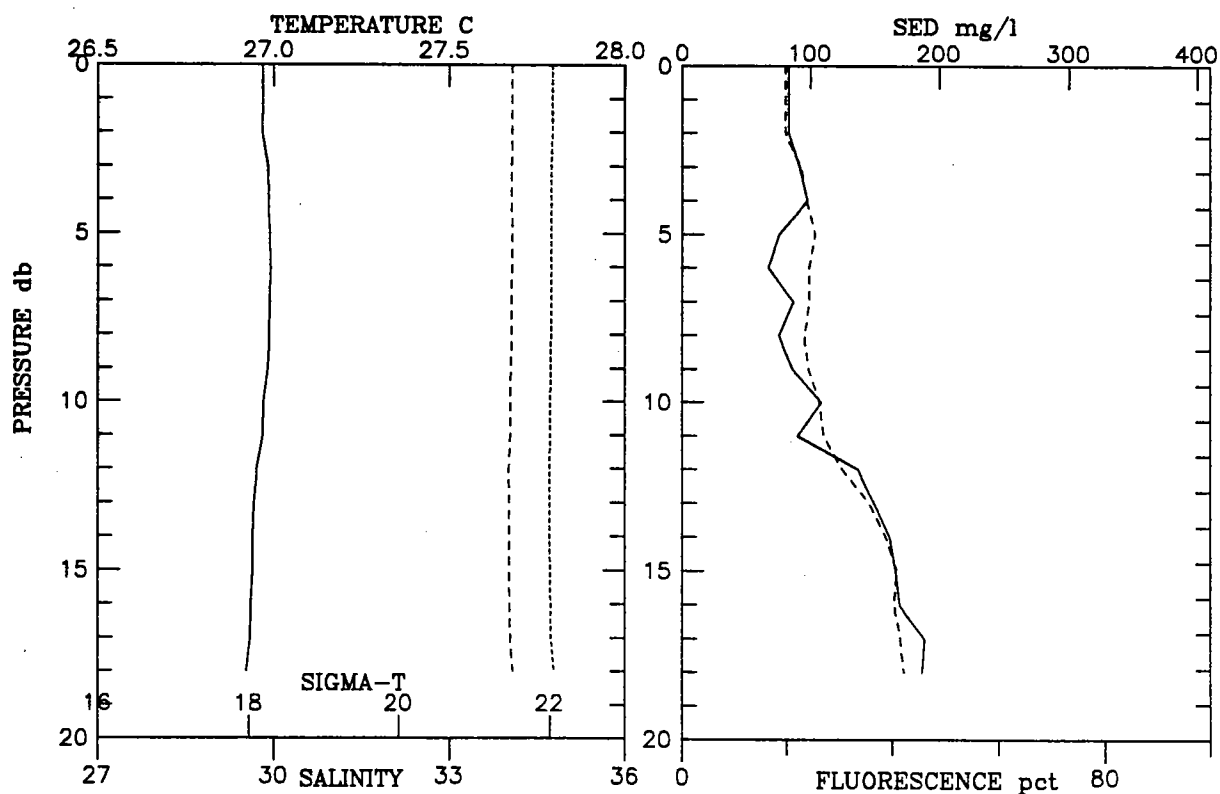
Cruise I9113 Leg 4 Station # 38.24 Depth m:20.5 Time: 1991-11-20 20:17  
 Position: 3° 8.94'N 50° 16.72'W Depth Deck Offset: 1.33 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.104	33.886	21.848	0.0000	0.000	20.3	124.4
1.0		27.104	33.886	21.848	0.0060	0.000	20.3	124.4
2.0		27.087	33.894	21.859	0.0120	0.000	26.2	115.7
3.0		27.070	33.904	21.872	0.0179	0.000	28.2	117.2
4.0		27.094	33.895	21.858	0.0239	0.000	29.4	114.3
5.0		27.082	33.901	21.866	0.0299	0.000	27.9	124.4
6.0		27.040	33.921	21.894	0.0358	0.000	27.8	145.8
7.0		27.014	33.932	21.911	0.0418	0.000	30.4	170.3
8.0		26.986	33.938	21.925	0.0477	0.000	33.5	202.9
9.0		26.973	33.931	21.923	0.0536	0.000	36.5	207.8
10.0		26.962	33.935	21.930	0.0595	0.000	37.6	229.8
11.0		26.959	33.937	21.932	0.0654	0.000	38.8	226.0
12.0		26.947	33.949	21.945	0.0713	0.000	43.2	267.3
13.0		26.931	33.964	21.961	0.0772	0.000	47.3	313.2
14.0		26.929	33.965	21.963	0.0831	0.000	49.8	297.6
15.0		26.926	33.965	21.964	0.0889	0.000	51.8	335.2
16.0		26.927	33.965	21.963	0.0948	0.000	51.6	297.6
17.0		26.923	33.964	21.964	0.1007	0.000	53.9	335.2
18.0		26.922	33.963	21.964	0.1066	0.000	55.7	335.2



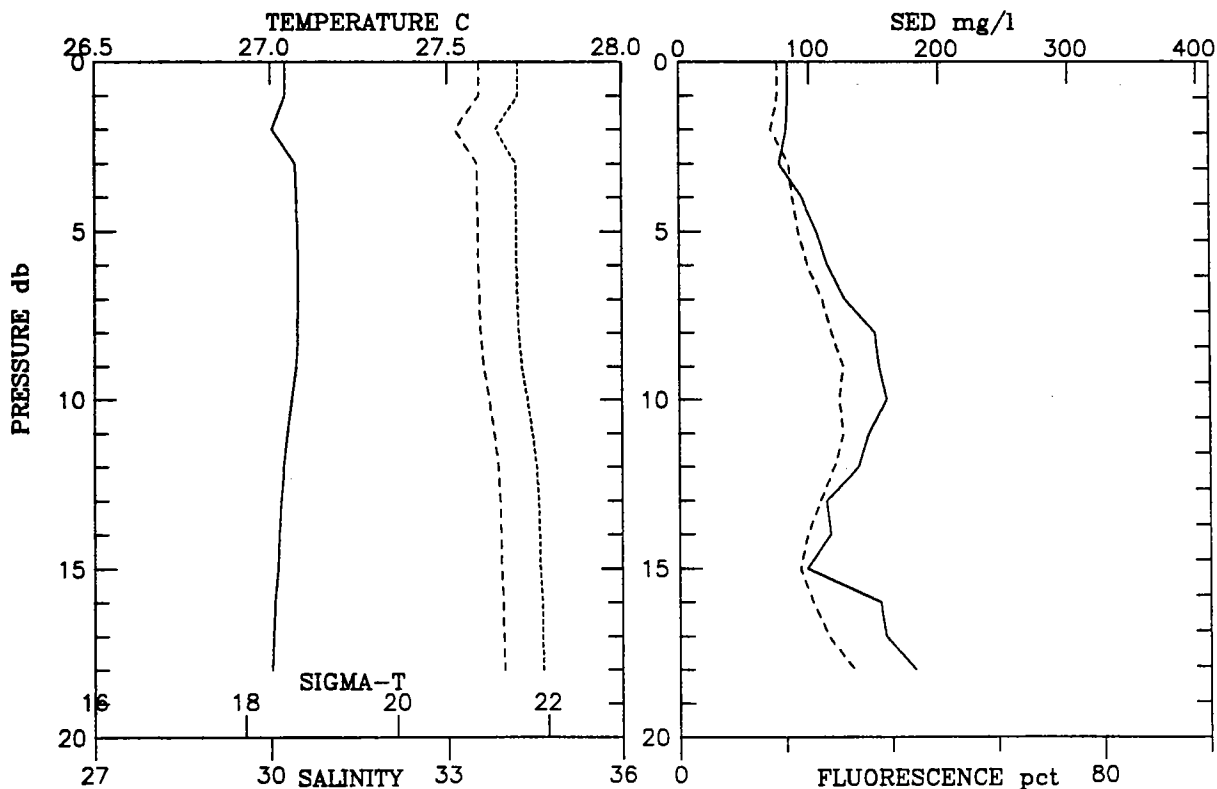
Cruise I9113 Leg 4 Station # 38.25 Depth m:20 Time: 1991-11-20 21:14  
 Position: 3° 8.99'N 50° 16.74'W Depth Deck Offset: 1.40 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 26.969	34.077	22.034	0.0000	0.000	19.7	83.4
1.0	E 26.969	34.077	22.034	0.0058	0.000	19.7	83.4
2.0	26.969	34.077	22.034	0.0116	0.000	19.7	83.4
3.0	26.984	34.067	22.022	0.0174	0.000	22.6	91.5
4.0	26.985	34.065	22.020	0.0232	0.000	23.7	97.8
5.0	26.989	34.070	22.023	0.0291	0.000	25.3	75.9
6.0	26.991	34.069	22.021	0.0349	0.000	24.2	67.3
7.0	26.989	34.065	22.019	0.0407	0.000	24.2	86.6
8.0	26.987	34.062	22.017	0.0465	0.000	23.3	76.1
9.0	26.984	34.053	22.011	0.0523	0.000	24.1	86.3
10.0	26.972	34.036	22.003	0.0582	0.000	26.2	108.7
11.0	26.970	34.038	22.005	0.0640	0.000	26.9	90.0
12.0	26.952	34.013	21.991	0.0699	0.000	30.5	137.4
13.0	26.945	34.017	21.997	0.0757	0.000	35.6	150.1
14.0	26.941	34.016	21.997	0.0816	0.000	38.8	161.9
15.0	26.940	34.018	21.999	0.0874	0.000	40.8	166.5
16.0	26.935	34.028	22.008	0.0932	0.000	40.3	169.0
17.0	26.932	34.036	22.015	0.0991	0.000	41.4	188.5
18.0	26.922	34.084	22.055	0.1049	0.000	42.1	186.7



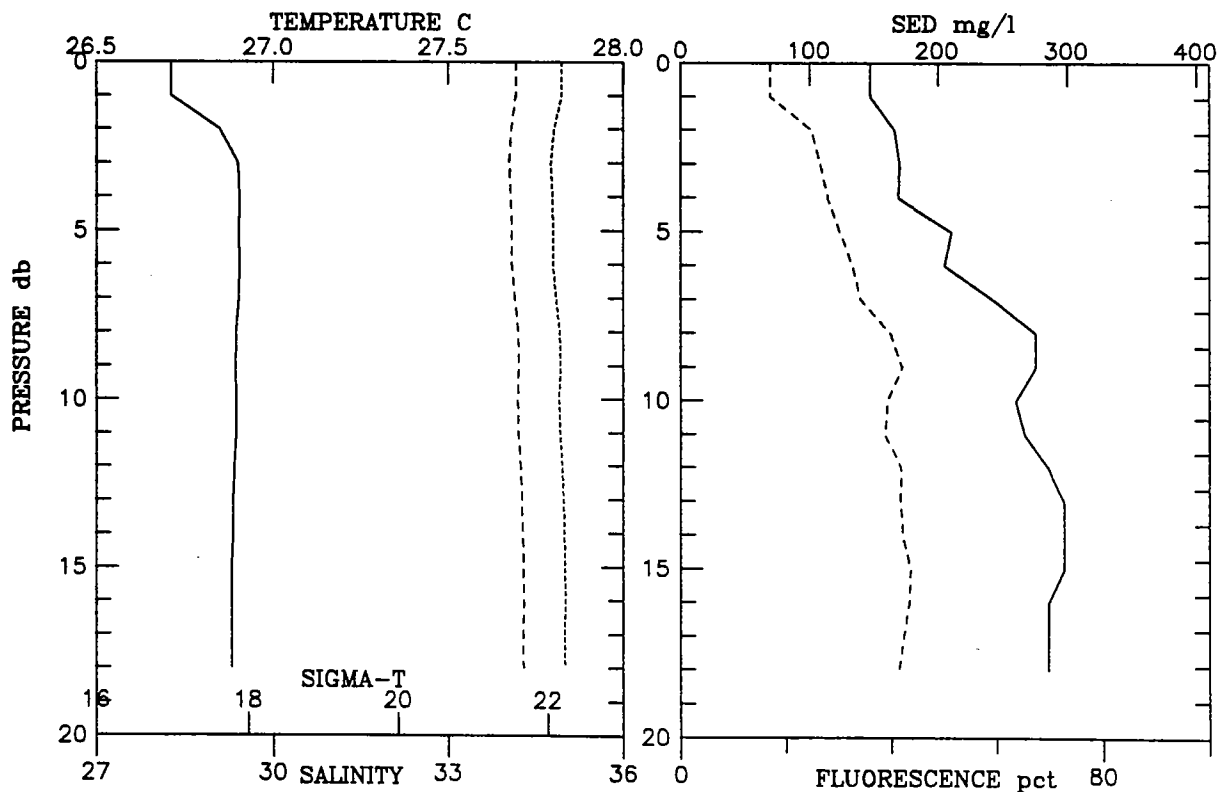
Cruise I9113 Leg 4 Station # 38.26 Depth m:20 Time: 1991-11-20 22:17  
 Position: 3° 9.06'N 50° 16.66'W Depth Deck Offset: 1.37 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.043	33.546	21.611	0.0000	0.000	18.5	83.6
1.0	27.043	33.546	21.611	0.0062	0.000	18.5	83.6
2.0	27.006	33.139	21.317	0.0126	0.000	17.3	82.9
3.0	27.071	33.524	21.586	0.0189	0.000	20.6	77.3
4.0	27.074	33.523	21.584	0.0252	0.000	21.3	94.6
5.0	27.077	33.529	21.587	0.0314	0.000	22.4	105.9
6.0	27.078	33.533	21.590	0.0376	0.000	24.1	114.3
7.0	27.078	33.546	21.600	0.0439	0.000	26.8	127.8
8.0	27.077	33.569	21.618	0.0501	0.000	28.6	151.0
9.0	27.073	33.617	21.655	0.0563	0.000	30.7	153.7
10.0	27.060	33.716	21.734	0.0624	0.000	30.1	159.8
11.0	27.047	33.797	21.799	0.0685	0.000	30.8	145.8
12.0	27.037	33.864	21.853	0.0745	0.000	29.1	138.2
13.0	27.030	33.894	21.877	0.0804	0.000	26.5	113.0
14.0	27.025	33.907	21.889	0.0864	0.000	24.0	116.2
15.0	27.021	33.916	21.897	0.0923	0.000	22.6	98.2
16.0	27.011	33.948	21.924	0.0983	0.000	25.0	154.7
17.0	27.008	33.950	21.926	0.1042	0.000	27.9	158.7
18.0	27.004	33.962	21.937	0.1101	0.000	32.7	181.7



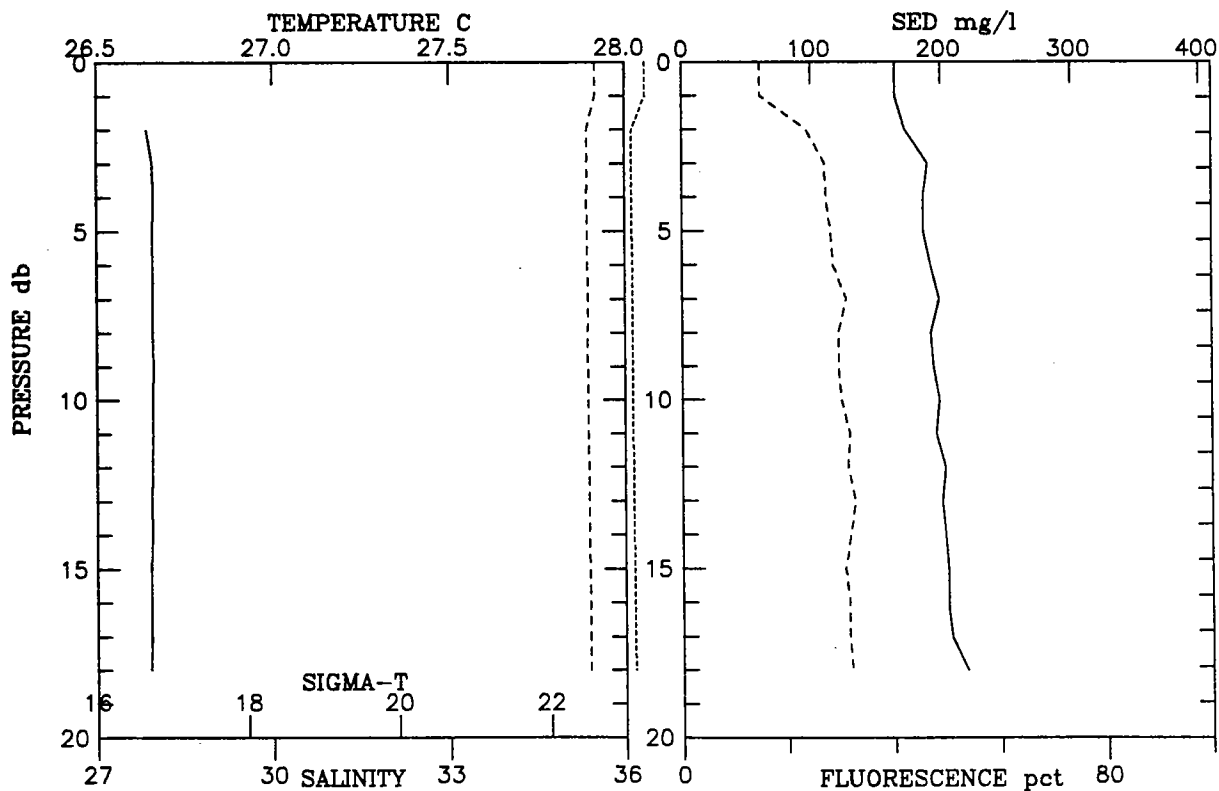
Cruise I9113 Leg 4 Station # 39 Depth m:21 Time: 1991-11-20 23:26  
 Position: 3° 11.15'N 50° 11.77'W Depth Deck Offset: 1.25 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 26.711	34.166	22.183	0.0000	0.000	16.9	147.5
1.0	26.711	34.166	22.183	0.0057	0.000	16.9	147.5
2.0	26.848	34.090	22.082	0.0114	0.000	24.8	166.5
3.0	26.900	34.055	22.040	0.0172	0.000	26.5	170.3
4.0	26.904	34.084	22.060	0.0229	0.000	27.9	169.0
5.0	26.903	34.098	22.071	0.0287	0.000	30.2	210.5
6.0	26.904	34.095	22.068	0.0345	0.000	32.6	205.3
7.0	26.902	34.148	22.109	0.0402	0.000	34.1	242.8
8.0	26.894	34.209	22.157	0.0460	0.000	39.8	275.7
9.0	26.892	34.219	22.166	0.0516	0.000	42.0	275.7
10.0	26.895	34.196	22.147	0.0573	0.000	39.2	260.1
11.0	26.895	34.211	22.159	0.0630	0.000	38.8	267.3
12.0	26.890	34.247	22.188	0.0687	0.000	41.8	285.5
13.0	26.887	34.269	22.205	0.0744	0.000	41.7	297.6
14.0	26.886	34.285	22.217	0.0800	0.000	42.1	297.6
15.0	26.883	34.294	22.225	0.0856	0.000	43.6	297.6
16.0	26.882	34.300	22.230	0.0913	0.000	43.3	285.5
17.0	26.882	34.293	22.225	0.0969	0.000	42.3	285.5
18.0	26.882	34.297	22.228	0.1025	0.000	41.4	285.5



Cruise I9113 Leg 4 Station # 40 Depth m:21 Time: 1991-11-21 00:14  
 Position: 3° 15.44'N 50° 6.67'W Depth Deck Offset: 1.33 Fish 1

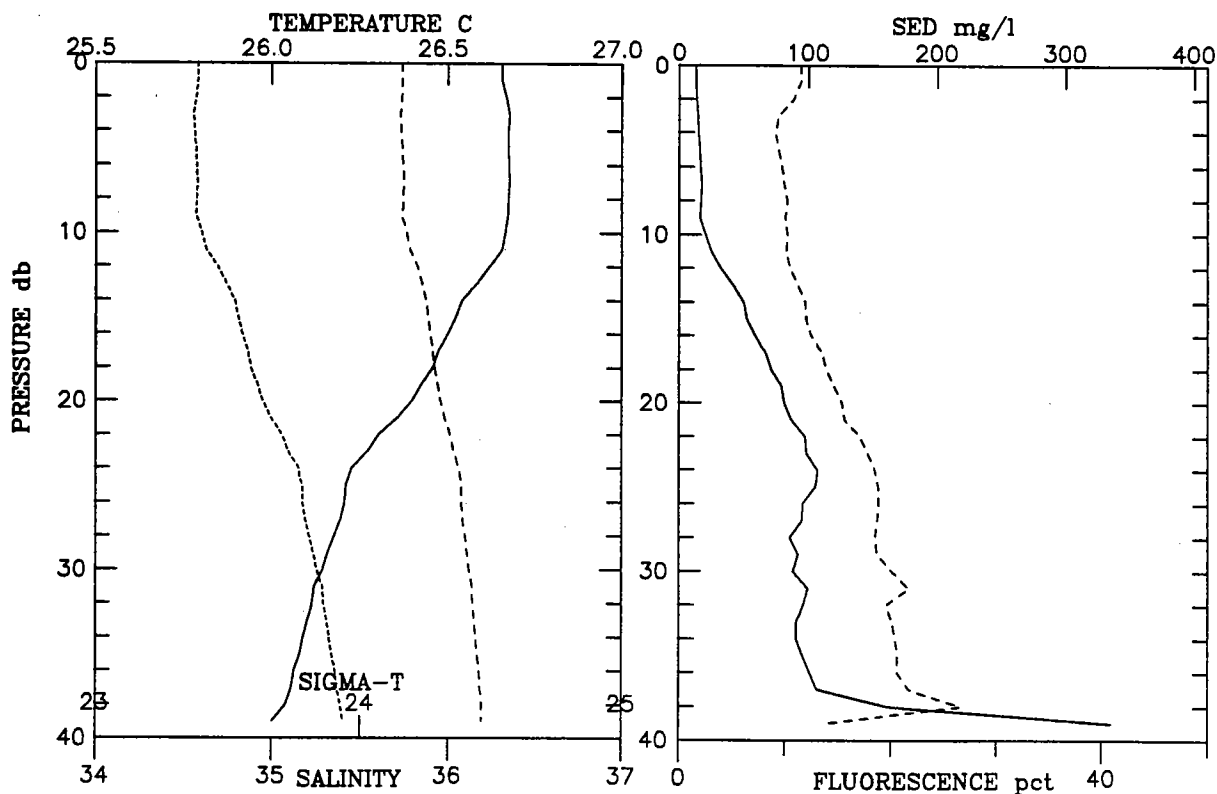
PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	26.441	35.495	23.270	0.0000	0.000	14.8	165.3
1.0		26.441	35.494	23.269	0.0046	0.000	14.8	165.3
2.0		26.643	35.345	23.093	0.0093	0.000	23.6	172.9
3.0		26.659	35.346	23.089	0.0141	0.000	27.1	190.3
4.0		26.660	35.343	23.086	0.0189	0.000	27.4	186.7
5.0		26.659	35.350	23.092	0.0237	0.000	28.2	186.7
6.0		26.659	35.355	23.096	0.0285	0.000	28.6	192.2
7.0		26.658	35.361	23.100	0.0333	0.000	31.1	198.4
8.0		26.659	35.356	23.096	0.0381	0.000	29.6	192.2
9.0		26.660	35.357	23.097	0.0429	0.000	29.6	194.2
10.0		26.660	35.358	23.098	0.0477	0.000	30.1	198.4
11.0		26.659	35.362	23.101	0.0525	0.000	31.7	196.2
12.0		26.657	35.368	23.106	0.0573	0.000	31.3	202.9
13.0		26.656	35.371	23.109	0.0620	0.000	32.7	200.6
14.0		26.656	35.371	23.109	0.0668	0.000	31.8	202.9
15.0		26.653	35.378	23.115	0.0716	0.000	30.8	205.3
16.0		26.653	35.377	23.114	0.0764	0.000	31.5	205.3
17.0		26.653	35.377	23.114	0.0812	0.000	31.5	207.8
18.0		26.651	35.386	23.122	0.0859	0.000	32.0	219.3





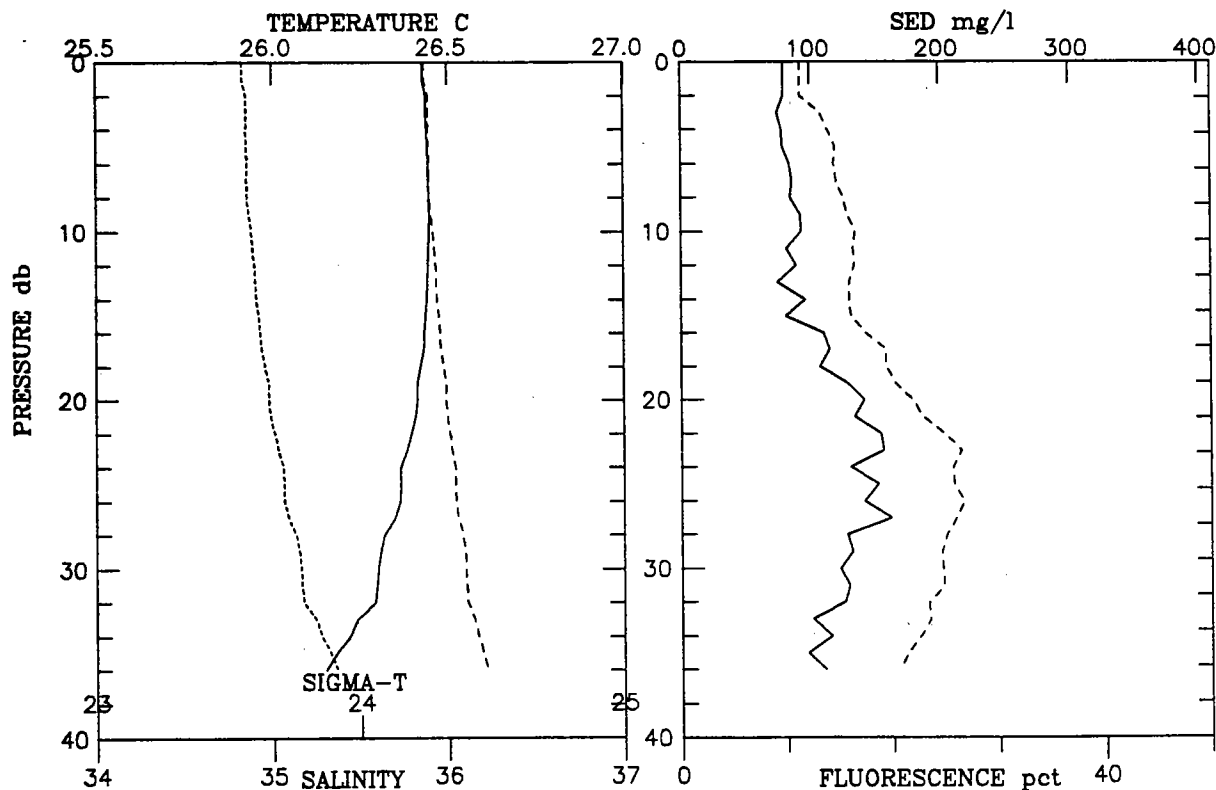
Cruise I9113 Leg 4 Station # 41.01 Depth m:37.3 Time: 1991-11-21 01:16  
 Position: 3° 20.12'N 50° 0.10'W Depth Deck Offset: 1.25 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 26.656	35.741	23.388	0.0000	0.000	11.5	12.8
2.0	26.667	35.737	23.381	0.0090	0.000	10.8	13.0
4.0	26.674	35.732	23.375	0.0181	0.000	9.1	14.8
6.0	26.676	35.743	23.383	0.0271	0.000	9.7	16.1
8.0	26.674	35.743	23.383	0.0361	0.000	10.2	16.5
10.0	26.665	35.765	23.403	0.0452	0.000	10.2	20.2
12.0	26.621	35.825	23.462	0.0541	0.000	10.5	32.1
14.0	26.540	35.877	23.527	0.0630	0.000	11.9	50.0
16.0	26.501	35.898	23.556	0.0717	0.000	12.5	58.8
18.0	26.457	35.923	23.588	0.0804	0.000	13.9	71.3
20.0	26.397	35.958	23.634	0.0890	0.000	15.4	81.3
22.0	26.302	36.014	23.706	0.0975	0.000	17.1	97.8
24.0	26.226	36.065	23.768	0.1059	0.000	18.5	107.4
26.0	26.207	36.078	23.784	0.1142	0.000	18.8	95.8
28.0	26.177	36.098	23.809	0.1224	0.000	18.5	85.8
30.0	26.144	36.122	23.837	0.1306	0.000	20.1	88.2
32.0	26.116	36.143	23.862	0.1388	0.000	19.5	96.5
34.0	26.090	36.161	23.883	0.1469	0.000	20.4	90.9
36.0	26.065	36.180	23.906	0.1550	0.000	20.6	101.3
38.0	26.040	36.195	23.925	0.1631	0.000	26.6	161.9
39.0	26.003	36.195	23.937	0.1721	0.000	13.9	335.2



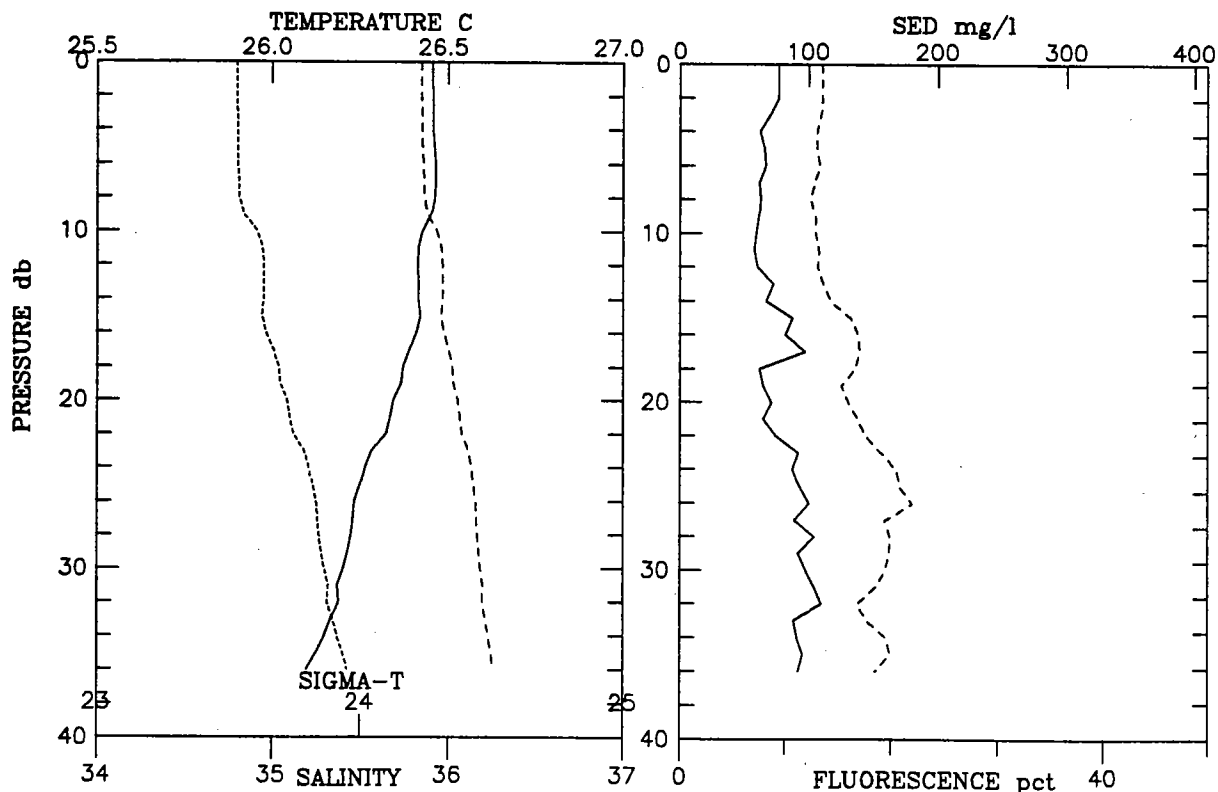
Cruise I9113 Leg 4 Station # 41.02 Depth m:37.9 Time: 1991-11-21 02:14  
 Position: 3° 20.09'N 49° 59.95'W Depth Deck Offset: 1.33 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 26.431	35.869	23.556	0.0000	0.000	11.3	79.6
2.0	26.440	35.891	23.570	0.0175	0.000	11.3	79.6
4.0	26.442	35.891	23.569	0.0521	0.000	13.9	78.2
6.0	26.447	35.897	23.572	0.0862	0.000	14.5	84.2
8.0	26.447	35.897	23.572	0.1200	0.000	15.4	84.7
10.0	26.448	35.918	23.588	0.1535	0.000	16.5	93.3
12.0	26.445	35.933	23.600	0.1869	0.000	16.4	89.1
14.0	26.440	35.940	23.606	0.2201	0.000	15.9	96.2
16.0	26.434	35.956	23.621	0.2532	0.000	17.5	110.8
18.0	26.423	35.976	23.639	0.2862	0.000	19.4	107.8
20.0	26.414	35.989	23.652	0.3191	0.000	21.9	141.8
22.0	26.394	36.011	23.675	0.3519	0.000	24.9	154.7
24.0	26.365	36.040	23.706	0.3846	0.000	25.7	131.5
26.0	26.363	36.043	23.709	0.4173	0.000	26.7	141.8
28.0	26.318	36.084	23.754	0.4499	0.000	25.1	128.4
30.0	26.298	36.100	23.772	0.4824	0.000	24.7	123.3
32.0	26.289	36.109	23.782	0.5149	0.000	23.4	126.6
34.0	26.216	36.169	23.850	0.5473	0.000	22.6	116.2
36.0	26.149	36.220	23.910	0.5796	0.000	20.6	111.2



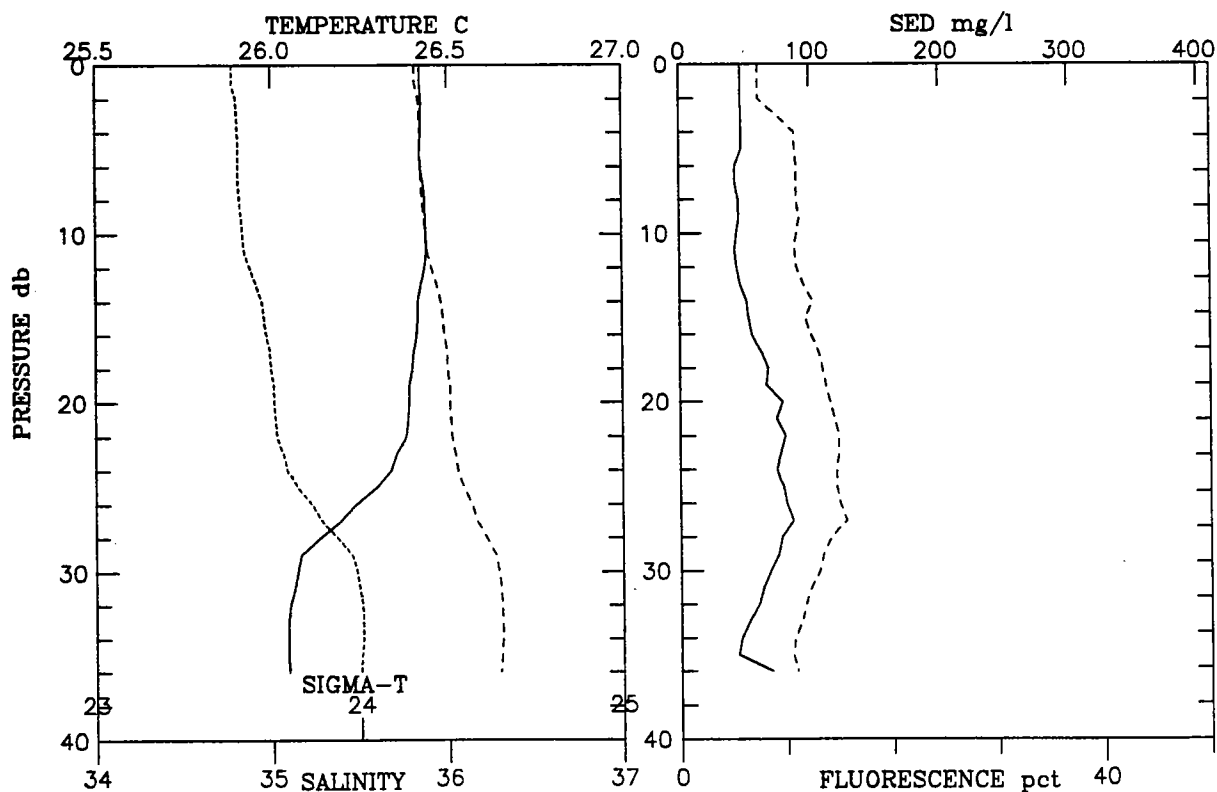
Cruise I9113 Leg 4 Station # 41.03 Depth m:38 Time: 1991-11-21 03:17  
 Position: 3° 20.14'N 50° 0.09'W Depth Deck Offset: 1.30 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	26.455	35.849	23.533	0.0000	0.000	13.5	76.8
2.0		26.457	35.849	23.533	0.0163	0.000	13.5	76.8
4.0		26.458	35.853	23.535	0.0490	0.000	13.0	62.4
6.0		26.465	35.858	23.537	0.0816	0.000	13.3	66.6
8.0		26.462	35.864	23.542	0.1143	0.000	12.4	63.1
10.0		26.426	35.938	23.610	0.1469	0.000	12.9	59.6
12.0		26.414	35.968	23.636	0.1796	0.000	13.1	60.3
14.0		26.415	35.967	23.635	0.2122	0.000	14.3	67.3
16.0		26.410	35.977	23.644	0.2449	0.000	16.9	82.1
18.0		26.372	36.025	23.692	0.2775	0.000	16.6	62.0
20.0		26.345	36.055	23.724	0.3102	0.000	16.0	71.5
22.0		26.323	36.077	23.747	0.3428	0.000	17.6	75.0
24.0		26.264	36.131	23.806	0.3754	0.000	20.5	87.7
26.0		26.234	36.157	23.835	0.4080	0.000	22.0	101.0
28.0		26.224	36.166	23.845	0.4405	0.000	19.9	104.7
30.0		26.202	36.184	23.866	0.4731	0.000	19.4	98.2
32.0		26.190	36.194	23.877	0.5056	0.000	16.8	110.3
34.0		26.150	36.225	23.913	0.5381	0.000	19.5	91.2
36.0		26.098	36.255	23.952	0.5706	0.000	18.5	92.4



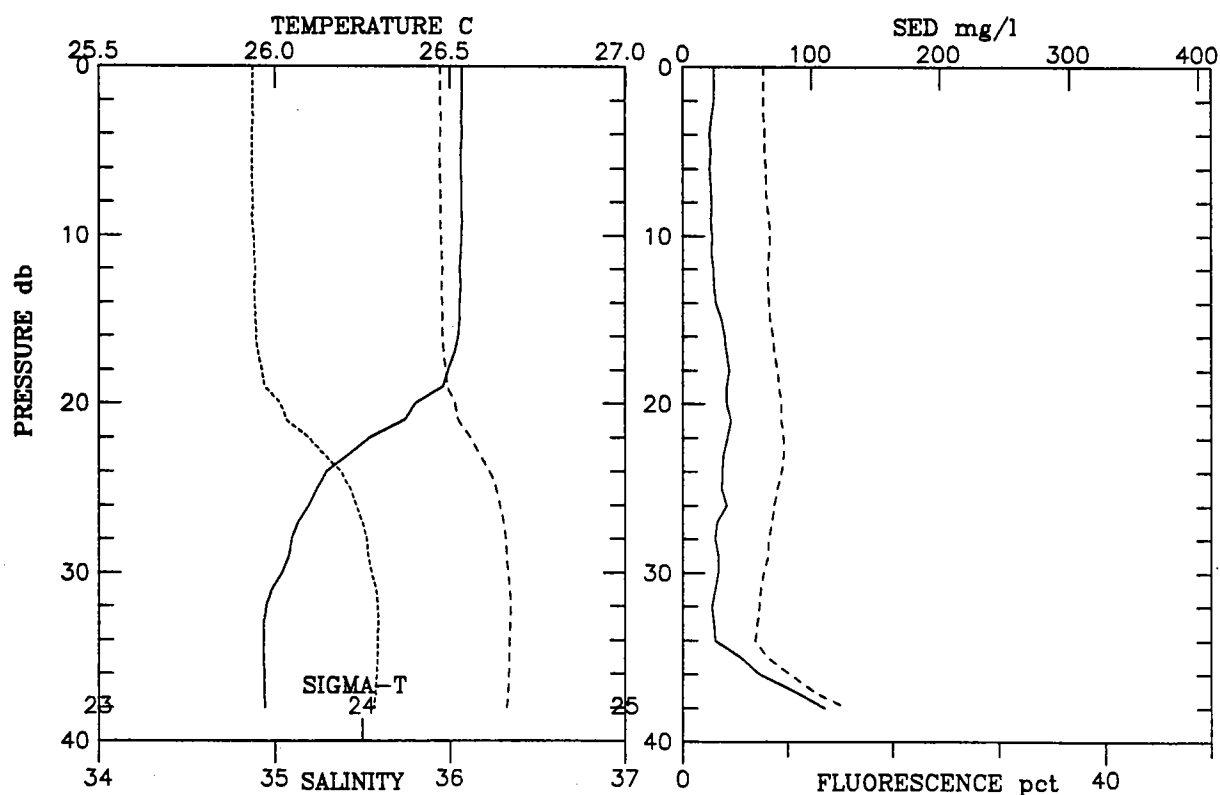
Cruise I9113 Leg 4 Station # 41.04 Depth m:39 Time: 1991-11-21 04:30  
 Position: 3° 20.14'N 50° 0.09'W Depth Deck Offset: 1.23 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	26.423	35.819	23.521	0.0000	0.000	7.4	47.7
2.0		26.427	35.841	23.536	0.0196	0.000	7.4	47.7
4.0		26.426	35.848	23.542	0.0585	0.000	10.8	48.1
6.0		26.425	35.852	23.545	0.0965	0.000	11.0	42.8
8.0		26.437	35.863	23.549	0.1341	0.000	11.0	45.3
10.0		26.439	35.878	23.560	0.1715	0.000	11.0	44.0
12.0		26.435	35.911	23.586	0.2086	0.000	11.0	44.0
14.0		26.416	35.963	23.632	0.2455	0.000	12.5	51.4
16.0		26.411	35.983	23.648	0.2823	0.000	12.3	55.4
18.0		26.399	36.000	23.665	0.3190	0.000	13.4	67.7
20.0		26.389	36.012	23.677	0.3555	0.000	14.1	78.7
22.0		26.381	36.022	23.687	0.3919	0.000	14.9	80.6
24.0		26.336	36.055	23.726	0.4283	0.000	14.7	74.5
26.0		26.236	36.135	23.818	0.4645	0.000	15.0	81.8
28.0		26.133	36.220	23.914	0.5006	0.000	14.1	78.0
30.0		26.071	36.287	23.985	0.5366	0.000	13.0	69.1
32.0		26.050	36.305	24.005	0.5725	0.000	11.7	60.0
34.0		26.044	36.306	24.007	0.6082	0.000	10.7	46.4
36.0		26.046	36.294	23.998	0.6439	0.000	10.9	69.9



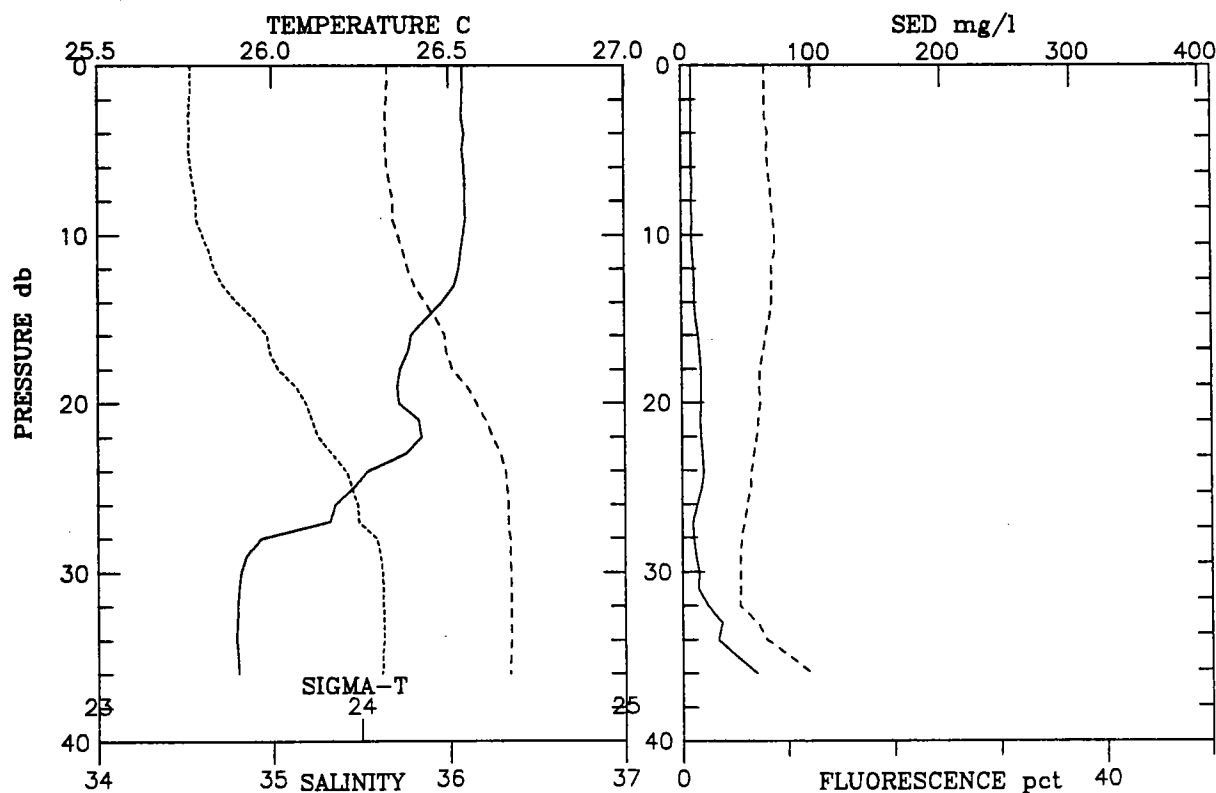
Cruise I9113 Leg 4 Station # 41.05 Depth m:39 Time: 1991-11-21 05:27  
 Position: 3° 20.05'N 50° 0.05'W Depth Deck Offset: 1.37 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	26.535	35.948	23.583	0.0000	0.000	7.7	24.1
2.0		26.535	35.947	23.582	0.0188	0.000	7.7	24.1
4.0		26.536	35.945	23.580	0.0563	0.000	7.8	20.4
6.0		26.531	35.944	23.581	0.0931	0.000	7.9	20.8
8.0		26.532	35.947	23.583	0.1297	0.000	8.0	22.4
10.0		26.532	35.951	23.586	0.1662	0.000	8.3	22.5
12.0		26.527	35.958	23.593	0.2028	0.000	8.1	23.4
14.0		26.529	35.956	23.590	0.2392	0.000	8.2	25.5
16.0		26.525	35.959	23.594	0.2756	0.000	8.6	32.5
18.0		26.495	35.977	23.617	0.3119	0.000	9.0	35.9
20.0		26.402	36.031	23.687	0.3482	0.000	9.4	34.3
22.0		26.271	36.118	23.794	0.3845	0.000	9.6	34.4
24.0		26.147	36.229	23.917	0.4207	0.000	9.4	30.4
26.0		26.096	36.286	23.976	0.4568	0.000	8.7	34.0
28.0		26.047	36.319	24.016	0.4927	0.000	8.2	25.1
30.0		26.021	36.333	24.035	0.5287	0.000	7.7	27.6
32.0		25.975	36.346	24.059	0.5645	0.000	7.3	22.6
34.0		25.968	36.341	24.058	0.6004	0.000	6.9	25.3
36.0		25.969	36.338	24.055	0.6361	0.000	10.2	60.1
38.0		25.971	36.326	24.045	0.6719	0.000	15.6	111.2



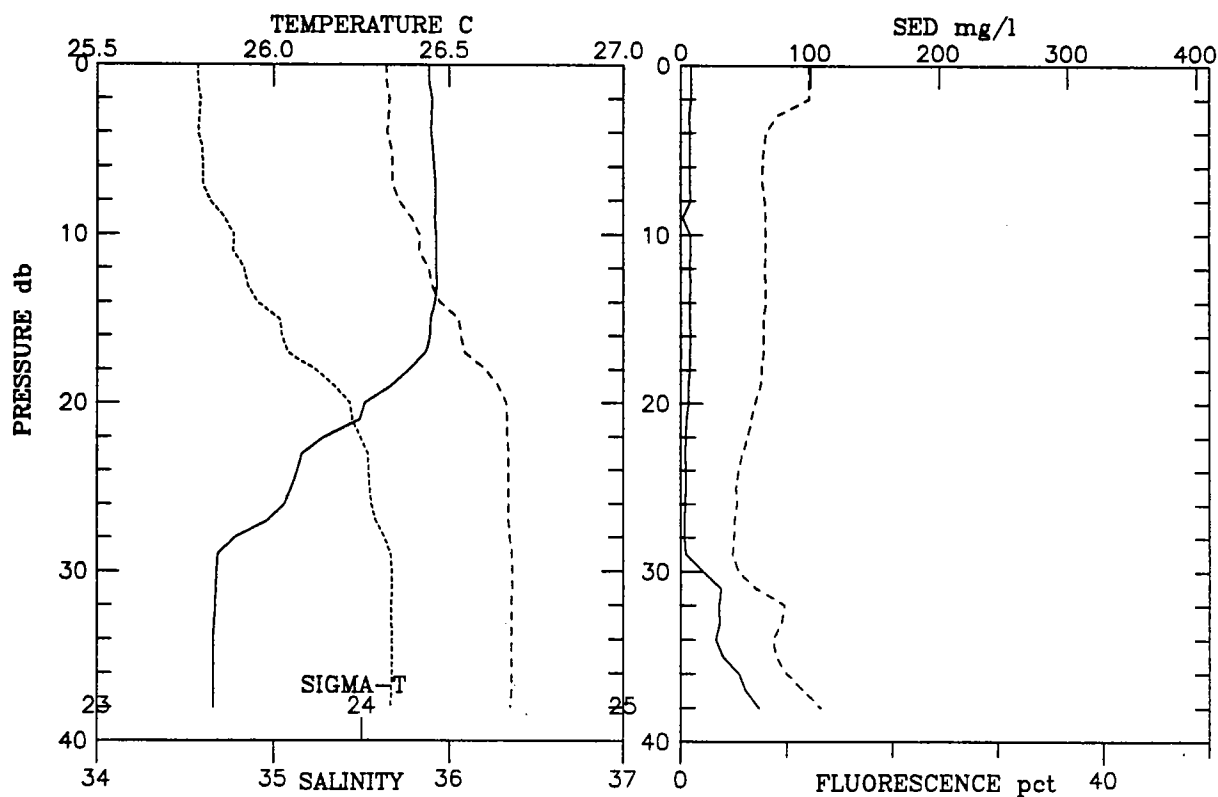
Cruise I9113 Leg 4 Station # 41.06 Depth m:40 Time: 1991-11-21 06:22  
 Position: 3° 20.03'N 50° 0.04'W Depth Deck Offset: 1.45 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	26.541	35.656	23.360	0.0000	0.000	7.9	7.8
2.0	E	26.539	35.651	23.357	0.0188	0.000	7.9	7.8
4.0		26.543	35.648	23.354	0.0561	0.000	8.2	7.8
6.0		26.544	35.655	23.359	0.0929	0.000	8.2	7.9
8.0		26.546	35.683	23.379	0.1295	0.000	8.5	7.9
10.0		26.541	35.713	23.403	0.1658	0.000	8.8	7.9
12.0		26.528	35.768	23.449	0.2021	0.000	8.5	9.1
14.0		26.479	35.865	23.537	0.2381	0.000	8.5	9.5
16.0		26.392	35.975	23.648	0.2741	0.000	7.9	12.5
18.0		26.360	36.016	23.689	0.3099	0.000	7.4	14.5
20.0		26.356	36.153	23.794	0.3456	0.000	7.4	14.8
22.0		26.421	36.243	23.841	0.3811	0.000	7.1	14.4
24.0		26.270	36.318	23.945	0.4166	0.000	6.6	16.8
26.0		26.176	36.334	23.987	0.4519	0.000	6.2	11.7
28.0		25.967	36.342	24.059	0.4873	0.000	5.6	8.9
30.0		25.909	36.346	24.080	0.5225	0.000	5.5	12.6
32.0		25.900	36.346	24.083	0.5575	0.000	5.4	19.5
34.0		25.898	36.347	24.084	0.5924	0.000	8.0	27.6
36.0		25.902	36.340	24.078	0.6273	0.000	12.2	57.3



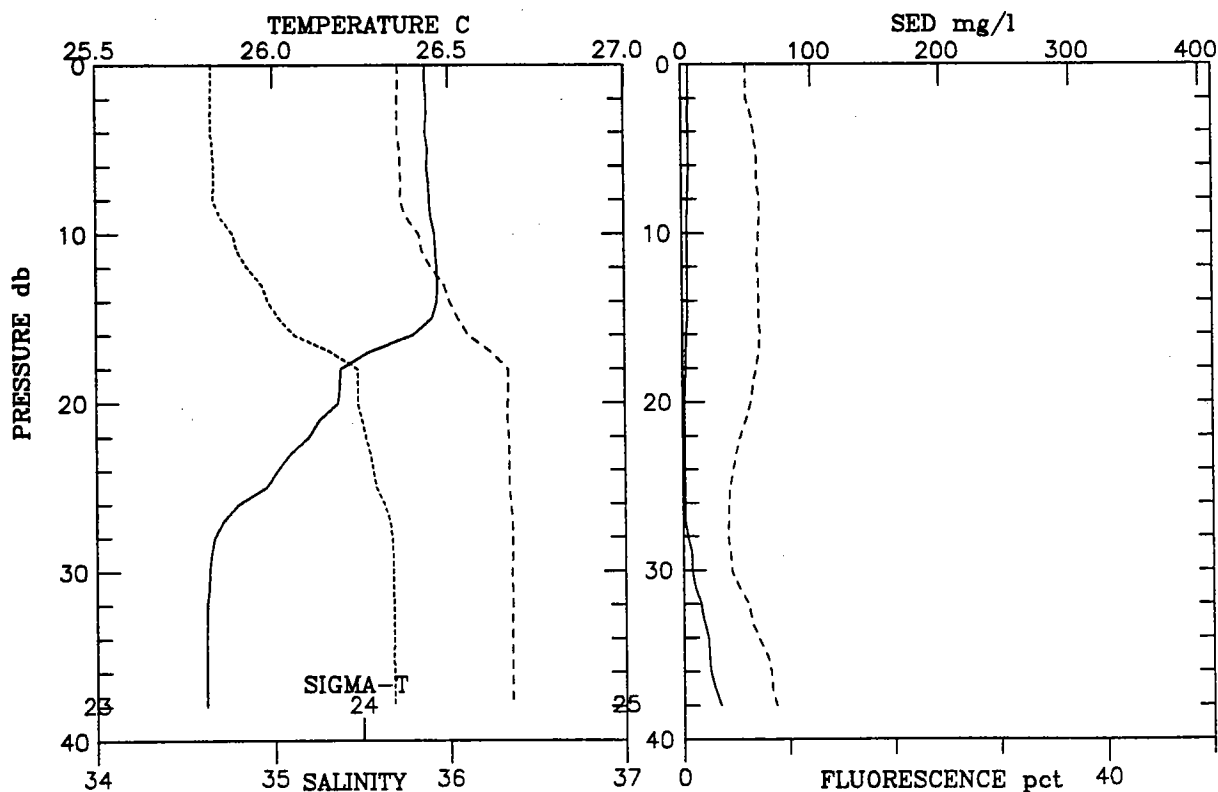
Cruise I9113 Leg 4 Station # 41.07 Depth m:40.0 Time: 1991-11-21 07:10  
 Position: 3° 20.06'N 50° 0.10'W Depth Deck Offset: 1.30 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 26.443	35.643	23.382	0.0000	0.000	12.1	7.6
2.0	26.452	35.658	23.390	0.0192	0.000	12.1	7.6
4.0	26.448	35.646	23.382	0.0571	0.000	8.0	6.6
6.0	26.456	35.673	23.400	0.0944	0.000	7.7	6.6
8.0	26.461	35.711	23.427	0.1314	0.000	7.9	7.0
10.0	26.463	35.832	23.518	0.1683	0.000	8.0	7.0
12.0	26.463	35.882	23.555	0.2050	0.000	7.9	6.8
14.0	26.458	35.947	23.606	0.2416	0.000	8.0	6.9
16.0	26.444	36.066	23.700	0.2781	0.000	7.8	7.0
18.0	26.384	36.209	23.827	0.3144	0.000	7.6	6.8
20.0	26.258	36.329	23.957	0.3506	0.000	7.0	5.6
22.0	26.145	36.331	23.995	0.3867	0.000	6.3	3.9
24.0	26.067	36.340	24.026	0.4225	0.000	5.4	3.9
26.0	26.031	36.340	24.037	0.4583	0.000	5.3	3.5
28.0	25.891	36.348	24.087	0.4938	0.000	5.0	2.9
30.0	25.838	36.361	24.113	0.5292	0.000	5.4	17.2
32.0	25.834	36.358	24.112	0.5645	0.000	9.8	29.4
34.0	25.830	36.358	24.114	0.5997	0.000	8.7	27.1
36.0	25.830	36.357	24.113	0.6348	0.000	10.0	45.1
38.0	25.830	36.352	24.109	0.6700	0.000	13.2	60.3



Cruise I9113 Leg 4 Station # 41.08 Depth m:40 Time: 1991-11-21 08:15  
 Position: 3° 20.05'N 50° 0.07'W Depth Deck Offset: 1.30 Fish 1

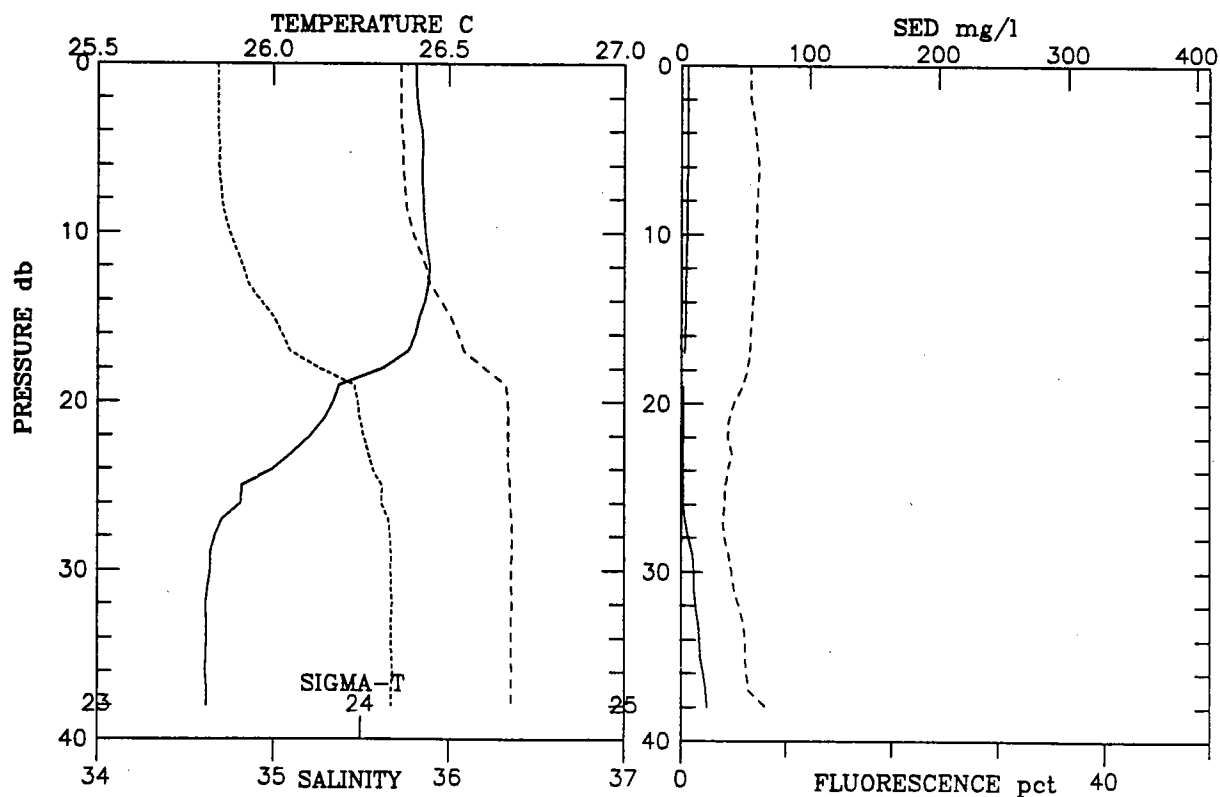
PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	26.435	35.714	23.437	0.0000	0.000	6.1	5.0
2.0		26.440	35.711	23.434	0.0179	0.000	6.1	5.0
4.0		26.435	35.710	23.434	0.0536	0.000	6.8	5.0
6.0		26.439	35.725	23.444	0.0892	0.000	7.1	5.0
8.0		26.446	35.725	23.442	0.1246	0.000	7.3	4.4
10.0		26.460	35.829	23.516	0.1600	0.000	7.2	3.9
12.0		26.466	35.904	23.571	0.1953	0.000	7.1	3.8
14.0		26.465	36.006	23.648	0.2305	0.000	7.2	3.7
16.0		26.396	36.108	23.747	0.2656	0.000	7.3	3.0
18.0		26.189	36.335	23.984	0.3007	0.000	6.9	2.1
20.0		26.182	36.334	23.985	0.3358	0.000	6.4	1.5
22.0		26.098	36.339	24.015	0.3707	0.000	5.4	1.3
24.0		26.009	36.339	24.043	0.4054	0.000	4.7	1.1
26.0		25.898	36.349	24.085	0.4402	0.000	4.3	1.0
28.0		25.830	36.358	24.113	0.4748	0.000	4.2	3.5
30.0		25.818	36.355	24.115	0.5093	0.000	4.5	6.4
32.0		25.811	36.356	24.118	0.5438	0.000	6.1	13.2
34.0		25.808	36.355	24.118	0.5782	0.000	7.0	18.6
36.0		25.807	36.355	24.118	0.6126	0.000	8.2	20.0
38.0		25.807	36.355	24.118	0.6469	0.000	8.7	28.4





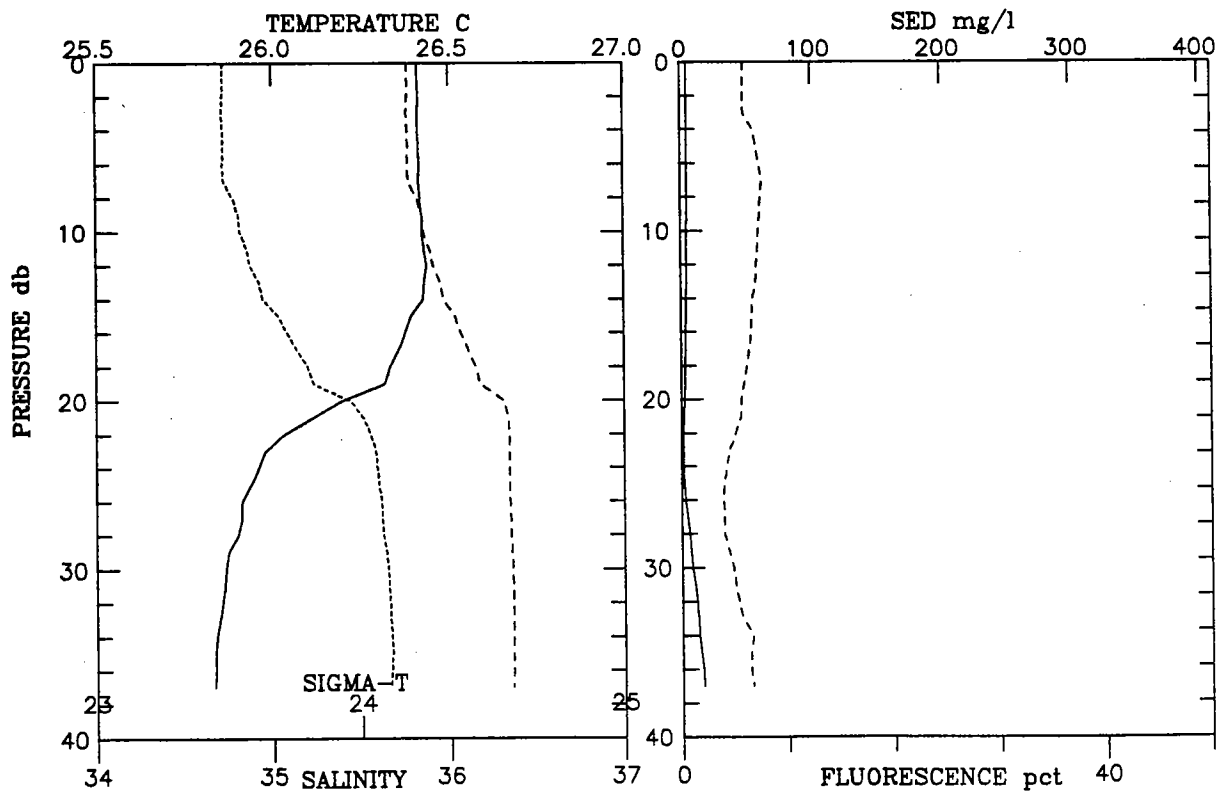
Cruise I9113 Leg 4 Station # 41.09 Depth m:40 Time: 1991-11-21 09:13  
 Position: 3° 20.05'N 50° 0.06'W Depth Deck Offset: 1.30 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 26.408	35.727	23.456	0.0000	0.000	6.6	4.6
2.0	26.410	35.728	23.456	0.0182	0.000	6.6	4.6
4.0	26.424	35.736	23.458	0.0546	0.000	7.1	4.6
6.0	26.425	35.739	23.459	0.0908	0.000	7.4	4.6
8.0	26.428	35.755	23.471	0.1268	0.000	7.2	4.4
10.0	26.434	35.798	23.501	0.1626	0.000	7.1	4.2
12.0	26.446	35.870	23.552	0.1984	0.000	7.1	3.6
14.0	26.433	35.953	23.618	0.2340	0.000	6.8	3.2
16.0	26.406	36.052	23.701	0.2696	0.000	6.6	2.8
18.0	26.314	36.201	23.843	0.3051	0.000	6.3	-6.7
20.0	26.171	36.334	23.988	0.3405	0.000	5.0	1.3
22.0	26.105	36.337	24.011	0.3758	0.000	4.4	1.1
24.0	25.999	36.338	24.046	0.4110	0.000	4.4	1.0
26.0	25.908	36.345	24.079	0.4461	0.000	4.1	1.4
28.0	25.833	36.357	24.112	0.4811	0.000	4.1	5.3
30.0	25.820	36.355	24.114	0.5161	0.000	4.8	9.9
32.0	25.807	36.357	24.120	0.5509	0.000	5.5	11.0
34.0	25.810	36.353	24.116	0.5858	0.000	6.1	14.2
36.0	25.805	36.356	24.120	0.6206	0.000	6.2	17.0
38.0	25.809	36.354	24.117	0.6554	0.000	8.1	20.1



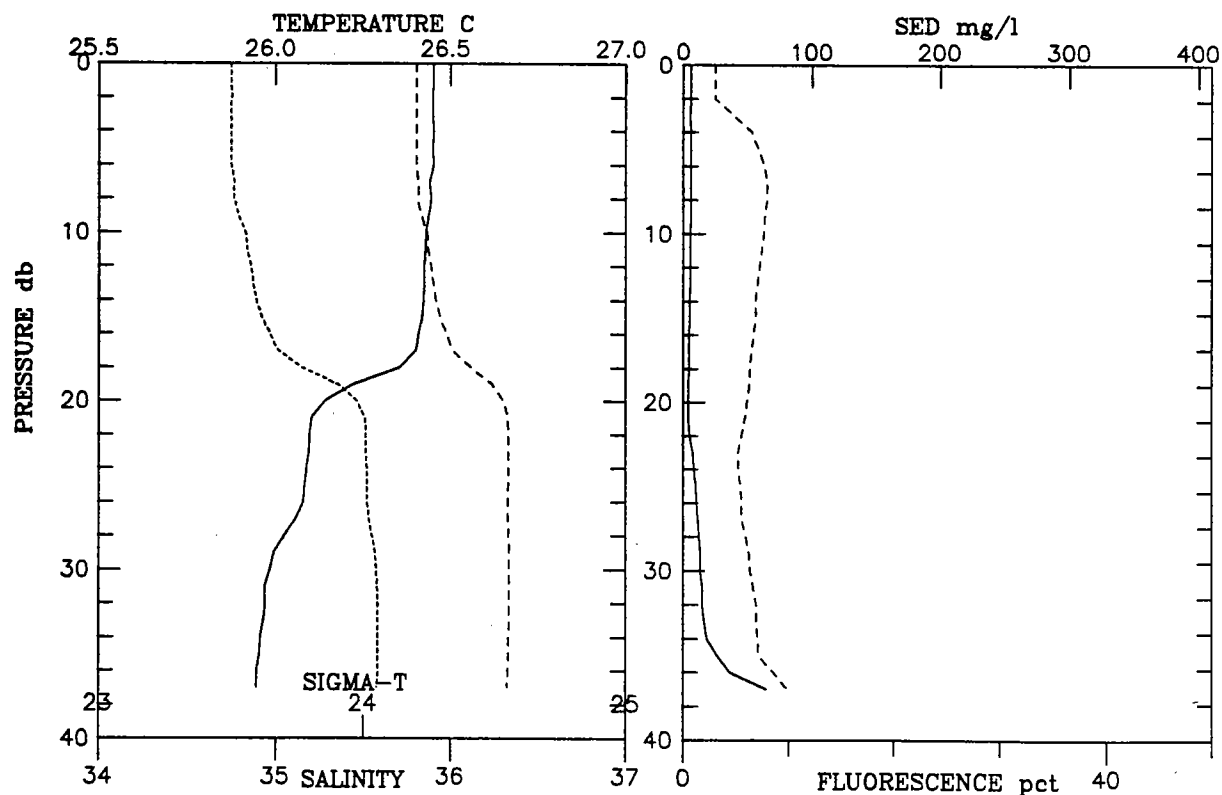
Cruise I9113 Leg 4 Station # 41.10 Depth m:38.8 Time: 1991-11-21 10:16  
 Position: 3° 20.07'N 50° 0.60'W Depth Deck Offset: 1.30 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	26.414	35.768	23.485	0.0000	0.000	5.9	4.8
2.0	E	26.415	35.768	23.484	0.0190	0.000	5.9	4.8
4.0		26.414	35.767	23.484	0.0570	0.000	6.8	4.7
6.0		26.416	35.767	23.483	0.0946	0.000	7.4	4.7
8.0		26.419	35.820	23.522	0.1320	0.000	7.5	4.6
10.0		26.425	35.857	23.548	0.1690	0.000	7.3	4.5
12.0		26.437	35.910	23.585	0.2058	0.000	7.1	4.1
14.0		26.426	35.968	23.632	0.2426	0.000	6.7	3.8
16.0		26.375	36.066	23.722	0.2793	0.000	6.6	3.3
18.0		26.331	36.151	23.800	0.3159	0.000	6.2	3.0
20.0		26.196	36.309	23.962	0.3525	0.000	5.6	2.4
22.0		26.031	36.339	24.036	0.3889	0.000	5.1	1.5
24.0		25.960	36.341	24.060	0.4251	0.000	4.2	1.5
26.0		25.914	36.342	24.075	0.4612	0.000	3.9	2.7
28.0		25.903	36.346	24.082	0.4973	0.000	4.0	5.6
30.0		25.867	36.355	24.099	0.5332	0.000	4.8	7.7
32.0		25.857	36.358	24.105	0.5691	0.000	5.3	11.3
34.0		25.840	36.360	24.112	0.6049	0.000	6.6	12.8
36.0		25.837	36.357	24.110	0.6407	0.000	6.4	15.6
37.0		25.835	36.355	24.109	0.6586	0.000	6.6	16.1



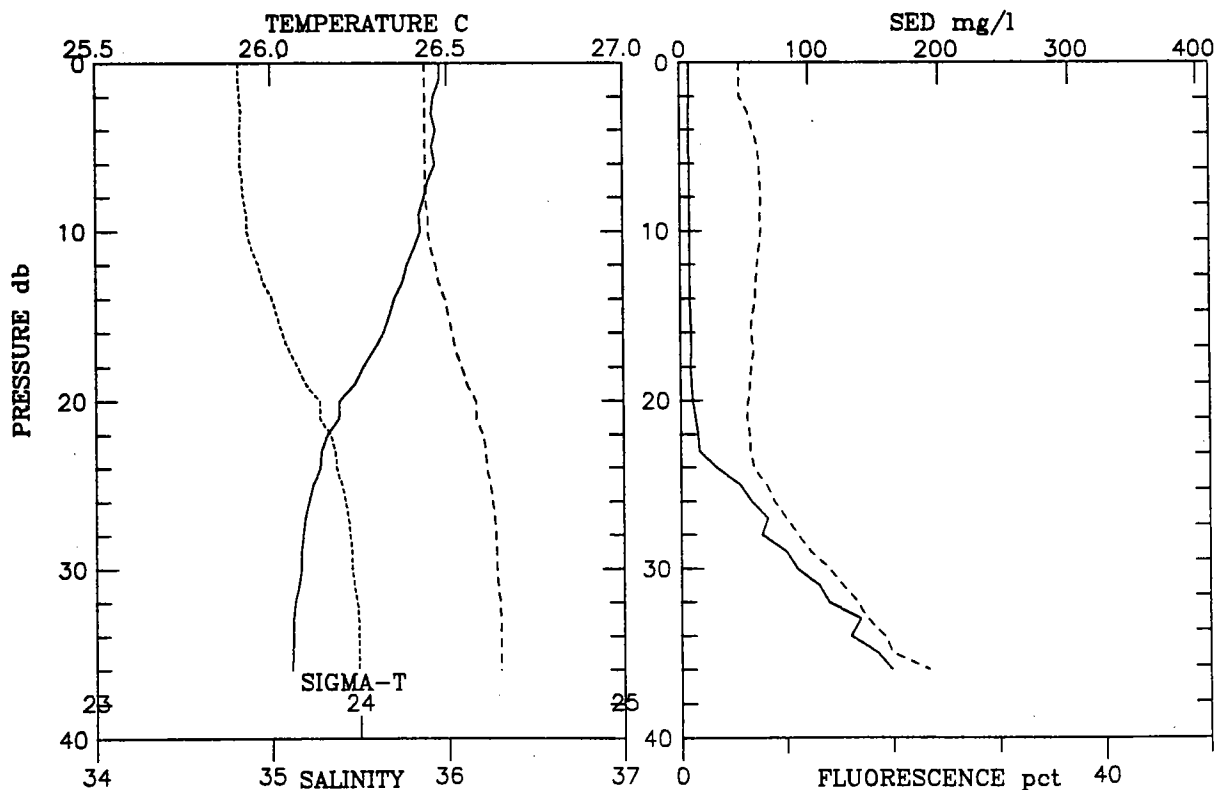
Cruise I9113 Leg 4 Station # 41.11 Depth m:38 Time: 1991-11-21 11:18  
 Position: 3° 20.12'N 50° 0.00'W Depth Deck Offset: 1.30 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	26.452	35.806	23.501	0.0000	0.000	3.0	5.6
2.0		26.449	35.806	23.502	0.0042	0.000	3.0	5.6
4.0		26.452	35.804	23.500	0.0128	0.000	6.5	5.5
6.0		26.451	35.804	23.500	0.0217	0.000	7.7	5.5
8.0		26.444	35.814	23.510	0.0306	0.000	7.9	5.5
10.0		26.430	35.866	23.554	0.0395	0.000	7.6	5.3
12.0		26.425	35.889	23.573	0.0483	0.000	7.2	5.2
14.0		26.423	35.916	23.594	0.0572	0.000	6.8	4.8
16.0		26.409	35.979	23.646	0.0659	0.000	6.6	4.5
18.0		26.353	36.117	23.767	0.0746	0.000	6.3	4.1
20.0		26.141	36.305	23.976	0.0832	0.000	6.0	3.9
22.0		26.097	36.332	24.010	0.0916	0.000	5.5	4.8
24.0		26.088	36.332	24.013	0.0997	0.000	5.2	8.4
26.0		26.078	36.330	24.015	0.1077	0.000	5.5	10.5
28.0		26.024	36.333	24.034	0.1156	0.000	5.9	12.4
30.0		25.984	36.338	24.050	0.1235	0.000	6.3	13.2
32.0		25.969	36.338	24.055	0.1314	0.000	6.9	14.6
34.0		25.958	36.334	24.055	0.1393	0.000	7.0	18.0
36.0		25.947	36.330	24.056	0.1471	0.000	8.5	36.1
37.0		25.946	36.324	24.052	0.1511	0.000	9.9	64.2



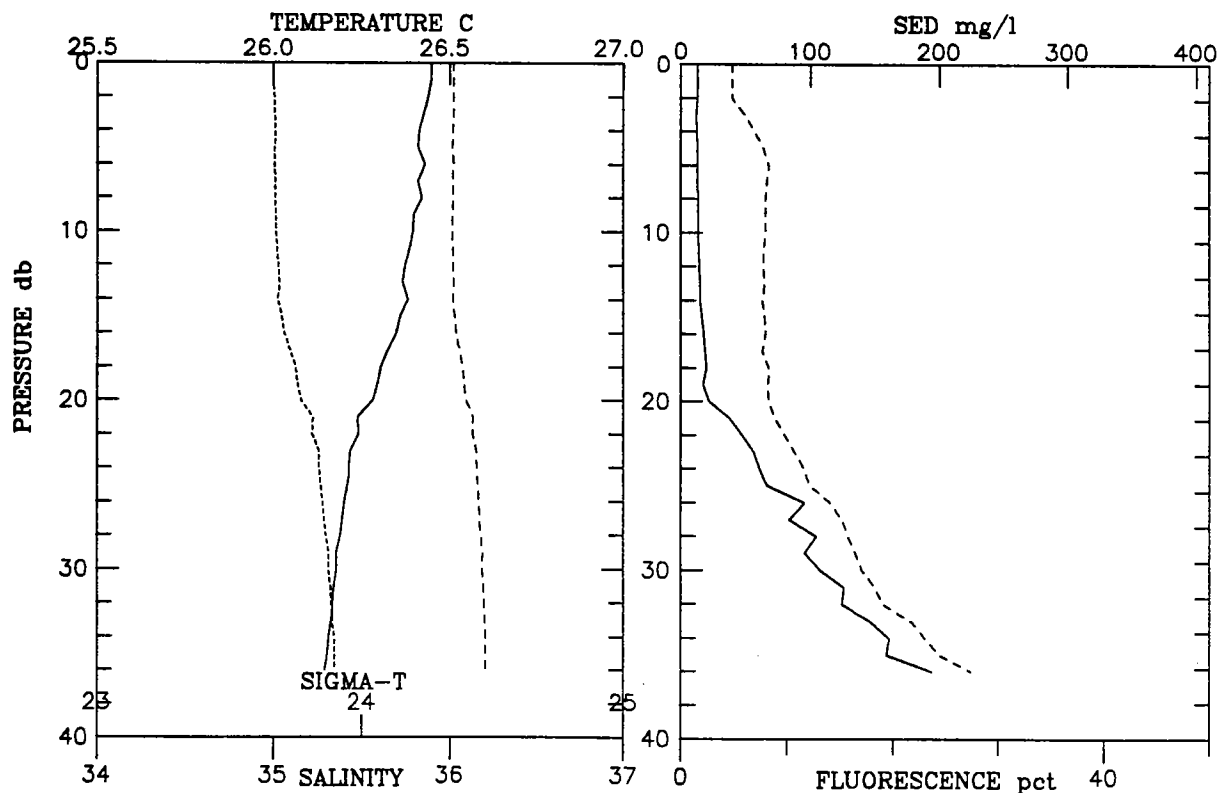
Cruise I9113 Leg 4 Station # 41.12 Depth m:38 Time: 1991-11-21 12:16  
 Position: 3° 20.11'N 50° 0.00'W Depth Deck Offset: 1.30 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	26.480	35.877	23.546	0.0000	0.000	5.7	7.0
2.0		26.463	35.877	23.551	0.0043	0.000	5.7	7.0
4.0		26.469	35.879	23.551	0.0131	0.000	6.9	6.7
6.0		26.465	35.878	23.551	0.0220	0.000	7.5	7.3
8.0		26.436	35.880	23.562	0.0308	0.000	7.7	7.1
10.0		26.423	35.892	23.575	0.0396	0.000	7.7	7.3
12.0		26.385	35.934	23.619	0.0484	0.000	7.3	7.5
14.0		26.350	35.988	23.671	0.0572	0.000	7.1	7.0
16.0		26.319	36.027	23.710	0.0659	0.000	6.7	8.1
18.0		26.260	36.081	23.769	0.0746	0.000	6.7	7.8
20.0		26.194	36.161	23.851	0.0831	0.000	6.4	9.4
22.0		26.159	36.201	23.892	0.0916	0.000	6.5	12.9
24.0		26.139	36.222	23.914	0.0999	0.000	6.9	27.5
26.0		26.106	36.254	23.948	0.1081	0.000	8.9	54.8
28.0		26.090	36.270	23.965	0.1161	0.000	11.1	63.1
30.0		26.083	36.276	23.972	0.1241	0.000	14.0	90.0
32.0		26.066	36.292	23.990	0.1321	0.000	16.7	114.8
34.0		26.060	36.298	23.996	0.1401	0.000	19.2	131.5
36.0		26.056	36.295	23.995	0.1480	0.000	23.3	163.0



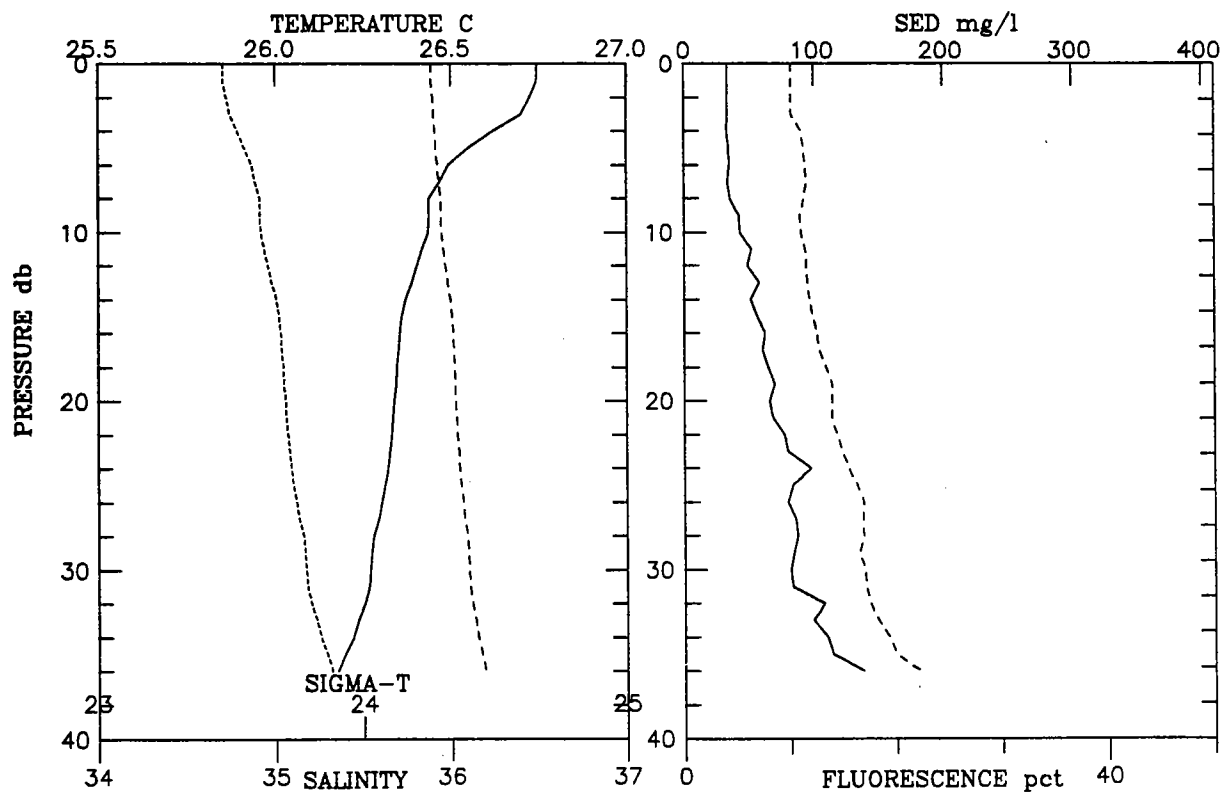
Cruise I9113 Leg 4 Station # 41.13 Depth m:38.2 Time: 1991-11-21 13:13  
 Position: 3° 20.11'N 50° 0.02'W Depth Deck Offset: 1.35 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 26.449	36.023	23.666	0.0000	0.000	4.8	12.5
2.0	26.439	36.025	23.671	0.0043	0.000	4.8	12.5
4.0	26.412	36.020	23.675	0.0129	0.000	7.0	12.2
6.0	26.430	36.023	23.672	0.0215	0.000	8.3	12.5
8.0	26.420	36.021	23.674	0.0301	0.000	8.0	13.0
10.0	26.396	36.016	23.677	0.0388	0.000	8.0	13.1
12.0	26.373	36.019	23.687	0.0474	0.000	7.8	14.2
14.0	26.380	36.018	23.684	0.0560	0.000	7.7	14.5
16.0	26.347	36.038	23.709	0.0645	0.000	8.0	17.4
18.0	26.303	36.076	23.752	0.0731	0.000	8.3	19.7
20.0	26.283	36.094	23.772	0.0816	0.000	8.3	21.6
22.0	26.240	36.132	23.814	0.0900	0.000	9.8	47.4
24.0	26.213	36.157	23.841	0.0984	0.000	11.6	60.8
26.0	26.201	36.168	23.854	0.1067	0.000	14.1	95.5
28.0	26.189	36.180	23.866	0.1149	0.000	15.8	104.7
30.0	26.180	36.188	23.875	0.1231	0.000	17.1	108.3
32.0	26.168	36.198	23.886	0.1313	0.000	19.0	124.4
34.0	26.156	36.206	23.896	0.1395	0.000	23.0	160.8
36.0	26.146	36.206	23.899	0.1477	0.000	27.4	194.2



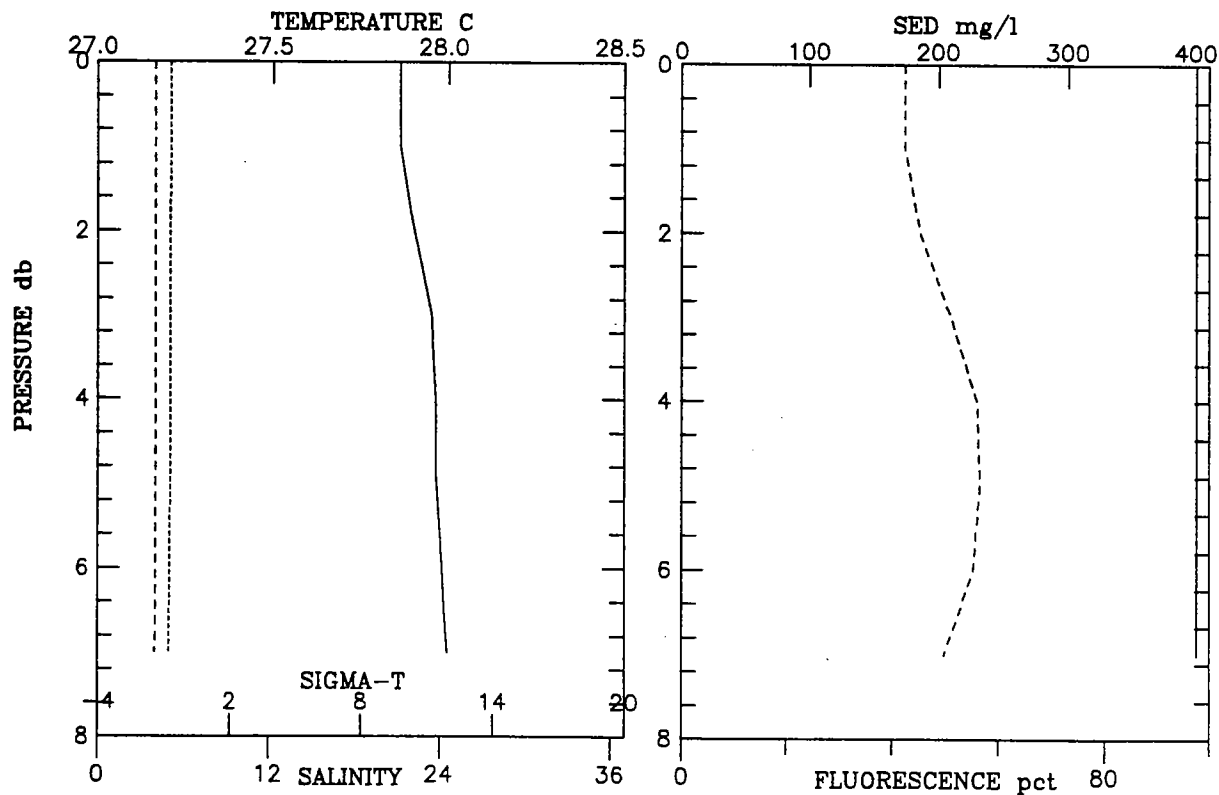
Cruise I9113 Leg 4 Station # 41.14 Depth m:37.5 Time: 1991-11-21 14:19  
 Position: 3° 20.09'N 49° 59.98'W Depth Deck Offset: 1.33 Fish 1

PRESSURE Interp (d-bars)		TEMP (deg C)	SALINITY (0/00)	SIGMA-T (σ)	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	26.747	35.889	23.470	0.0000	0.000	10.1	33.7
2.0	E	26.727	35.898	23.484	0.0044	0.000	10.1	33.7
4.0		26.621	35.909	23.525	0.0133	0.000	11.0	33.2
6.0		26.492	35.924	23.578	0.0222	0.000	11.4	35.1
8.0		26.438	35.944	23.610	0.0310	0.000	11.3	35.7
10.0		26.434	35.945	23.612	0.0398	0.000	11.0	43.2
12.0		26.402	35.967	23.639	0.0484	0.000	11.5	49.0
14.0		26.369	35.996	23.671	0.0570	0.000	11.8	51.4
16.0		26.354	36.011	23.687	0.0656	0.000	12.5	62.2
18.0		26.344	36.019	23.696	0.0741	0.000	13.4	64.9
20.0		26.336	36.027	23.705	0.0826	0.000	13.9	66.0
22.0		26.329	36.036	23.714	0.0911	0.000	14.4	77.5
24.0		26.318	36.048	23.726	0.0995	0.000	15.5	97.8
26.0		26.301	36.067	23.746	0.1080	0.000	16.9	79.6
28.0		26.277	36.091	23.772	0.1164	0.000	16.9	87.1
30.0		26.267	36.101	23.782	0.1248	0.000	17.0	81.8
32.0		26.251	36.119	23.801	0.1332	0.000	17.5	107.8
34.0		26.219	36.152	23.836	0.1415	0.000	19.3	110.3
36.0		26.176	36.192	23.880	0.1498	0.000	22.2	138.2



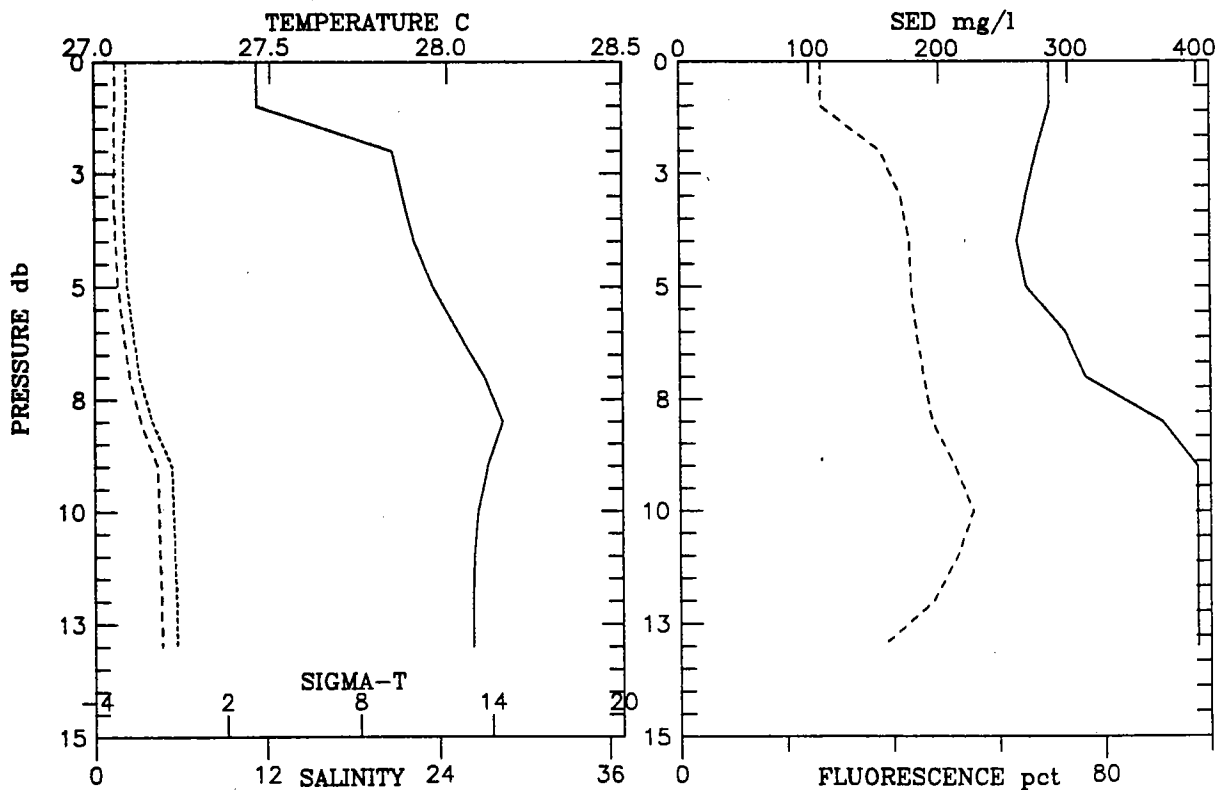
Cruise I9113 Leg 4 Station # 42 Depth m:8 Time: 1991-11-22 07:03  
 Position: 1° 16.28'N 49° 39.49'W Depth Deck Offset: 1.33 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.862	4.066	-0.679	0.0000	0.000	42.4	400.0
1.0	27.862	4.066	-0.679	0.0280	0.000	42.4	400.0
2.0	27.902	4.062	-0.693	0.0561	0.000	45.3	400.0
3.0	27.951	4.056	-0.712	0.0842	0.000	51.2	400.0
4.0	27.963	4.062	-0.711	0.1122	0.000	56.0	400.0
5.0	27.964	4.056	-0.715	0.1403	0.000	56.5	400.0
6.0	27.981	4.027	-0.743	0.1684	0.000	55.2	400.0
7.0	27.996	4.015	-0.756	0.1965	0.000	49.8	400.0



Cruise I9113 Leg 4 Station # 43 Depth m:15.5 Time: 1991-11-22 08:33  
 Position: 1° 14.01'N 49° 29.28'W Depth Deck Offset: 1.23 Fish 1

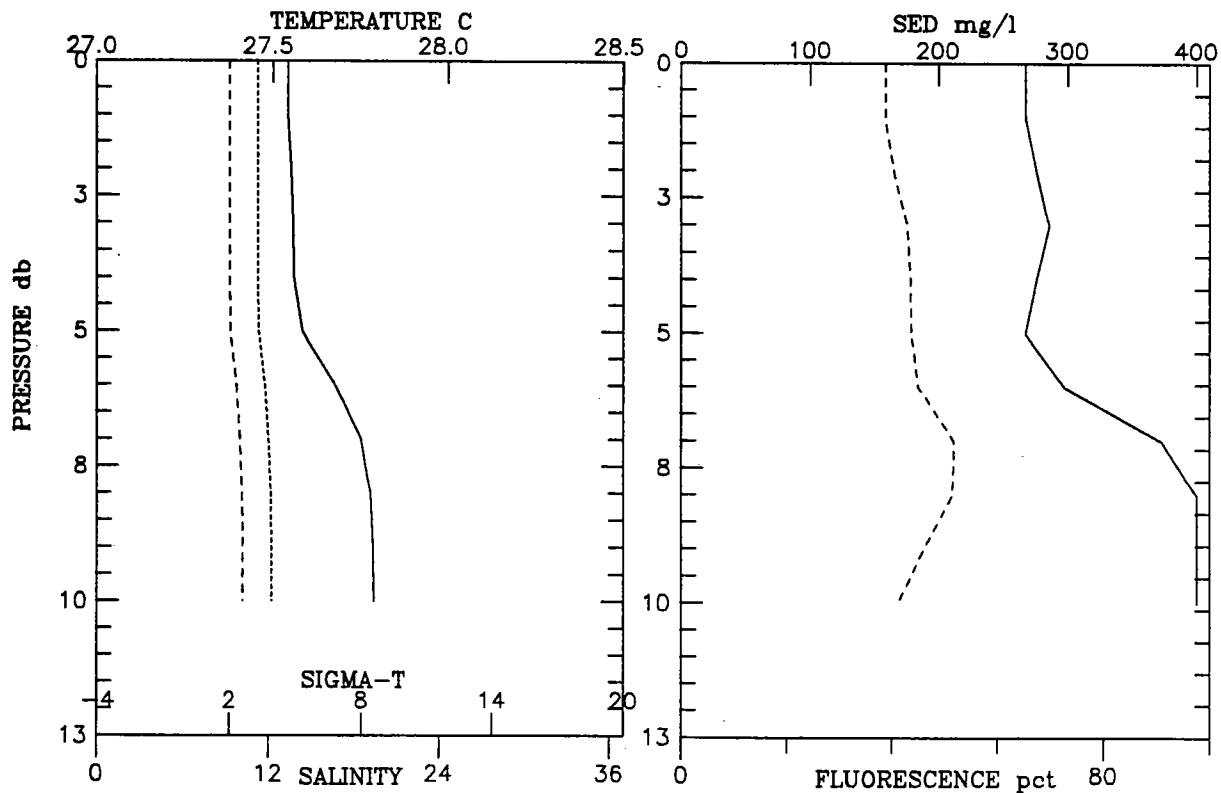
PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.461	1.464	-2.511	0.0000	0.000	26.6	285.5
1.0	27.461	1.464	-2.511	0.0299	0.000	26.6	285.5
2.0	27.845	1.426	-2.648	0.0598	0.000	37.8	275.7
3.0	27.873	1.410	-2.668	0.0899	0.000	41.6	267.3
4.0	27.906	1.509	-2.603	0.1199	0.000	43.2	260.1
5.0	27.958	1.677	-2.493	0.1498	0.000	43.5	267.3
6.0	28.029	2.058	-2.228	0.1795	0.000	44.5	297.6
7.0	28.104	2.467	-1.943	0.2090	0.000	45.8	313.2
8.0	28.155	3.269	-1.359	0.2380	0.000	47.4	372.7
9.0	28.112	4.434	-0.476	0.2663	0.000	51.7	400.0
10.0	28.084	4.518	-0.405	0.2941	0.000	55.1	400.0
11.0	28.073	4.589	-0.349	0.3218	0.000	52.1	400.0
12.0	28.071	4.676	-0.284	0.3495	0.000	47.6	400.0
13.0	28.071	4.704	-0.263	0.3771	0.000	37.9	400.0





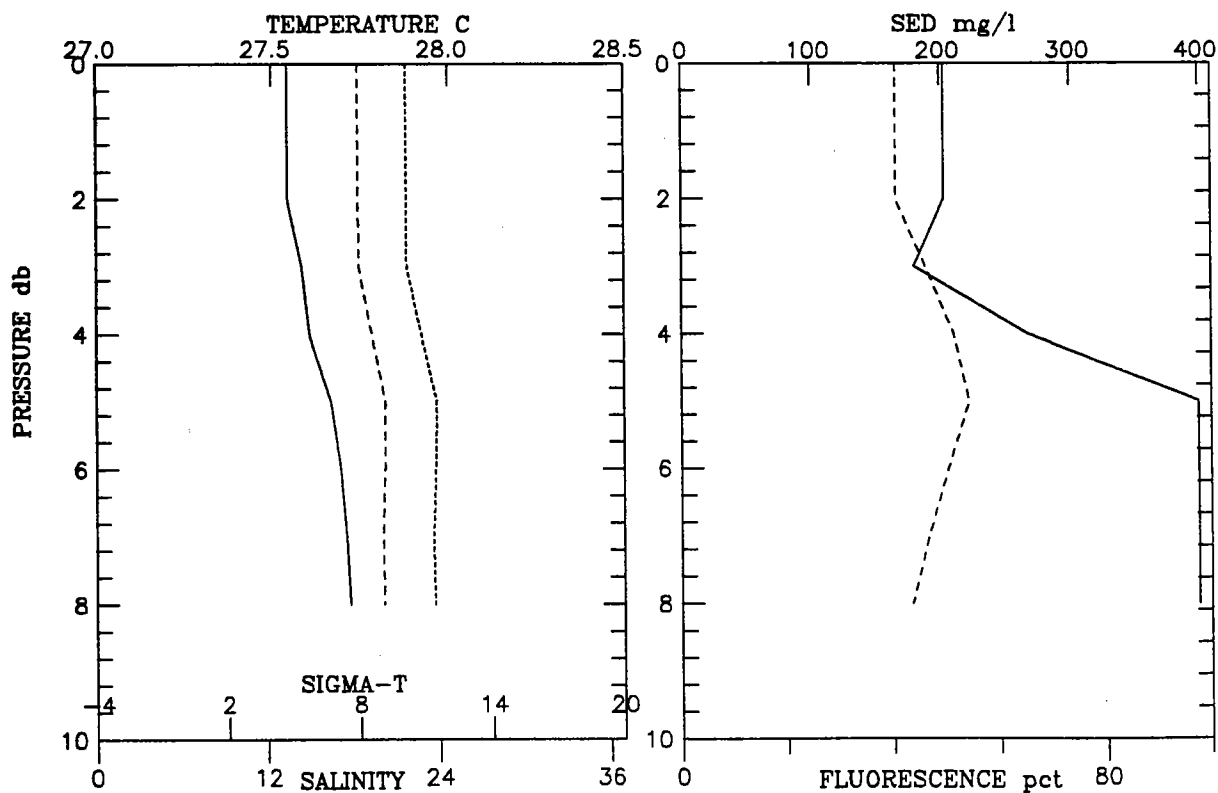
Cruise I9113 Leg 4 Station # 44 Depth m:12.4 Time: 1991-11-22 09:59  
 Position: 1° 15.99'N 49° 20.00'W Depth Deck Offset: 1.23 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.542	9.306	3.323	0.0000	0.000	38.7	267.3
1.0	27.542	9.306	3.323	0.0241	0.000	38.7	267.3
2.0	27.552	9.298	3.314	0.0481	0.000	40.3	275.7
3.0	27.557	9.296	3.311	0.0722	0.000	42.8	285.5
4.0	27.558	9.294	3.309	0.0962	0.000	43.5	275.7
5.0	27.583	9.352	3.345	0.1203	0.000	43.6	267.3
6.0	27.675	9.762	3.624	0.1442	0.000	45.0	297.6
7.0	27.749	10.008	3.785	0.1678	0.000	51.8	372.7
8.0	27.777	10.154	3.886	0.1914	0.000	51.5	400.0
9.0	27.784	10.190	3.911	0.2149	0.000	46.0	400.0
10.0	27.787	10.194	3.913	0.2383	0.000	41.1	400.0



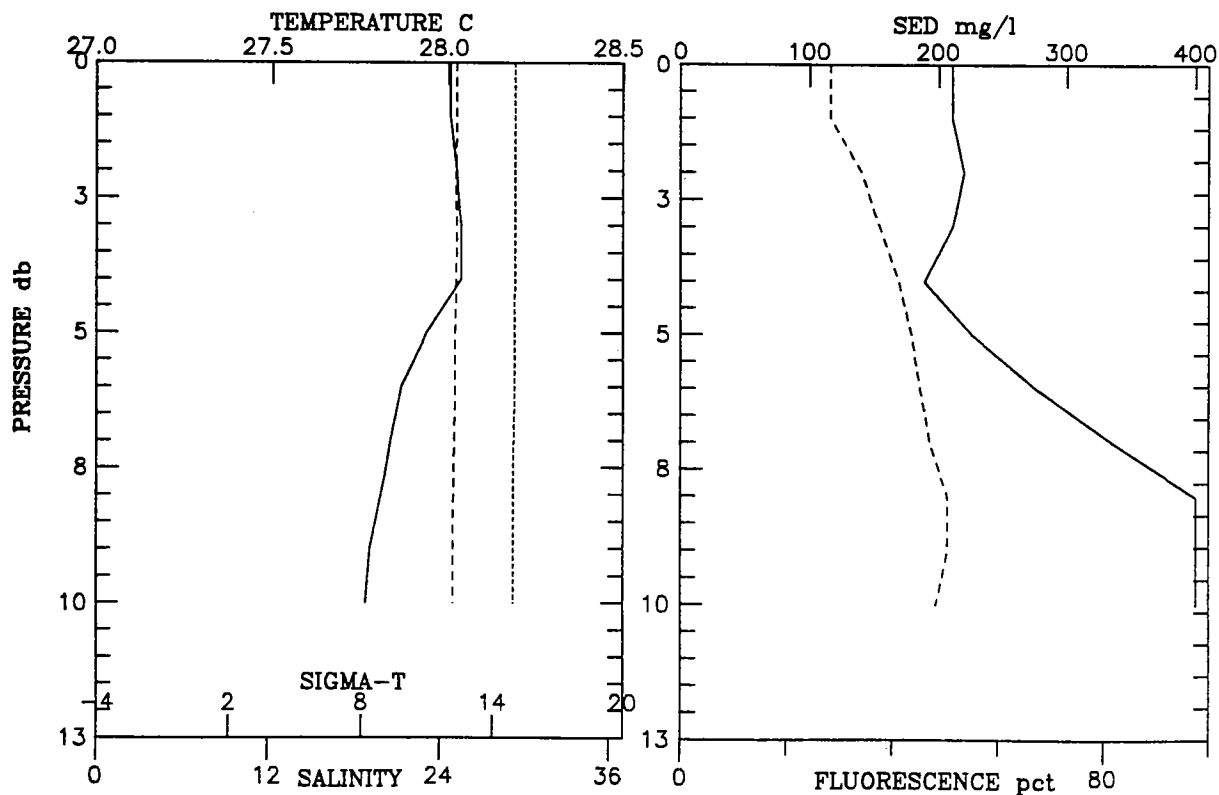
Cruise I9113 Leg 4 Station # 45 Depth m:11 Time: 1991-11-22 12:17  
 Position: 1° 11.34'N 49° 0.50'W Depth Deck Offset: 1.48 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.546	18.409	10.112	0.0000	0.000	40.5	202.9
1.0	E	27.546	18.409	10.112	0.0174	0.000	40.5	202.9
2.0		27.546	18.409	10.112	0.0347	0.000	40.5	202.9
3.0		27.585	18.456	10.135	0.0520	0.000	46.1	180.1
4.0		27.608	19.343	10.790	0.0691	0.000	51.4	267.3
5.0		27.667	20.275	11.468	0.0854	0.000	54.2	400.0
6.0		27.695	20.217	11.417	0.1015	0.000	50.3	400.0
7.0		27.711	20.083	11.312	0.1176	0.000	46.6	400.0
8.0		27.722	20.172	11.375	0.1337	0.000	43.5	400.0



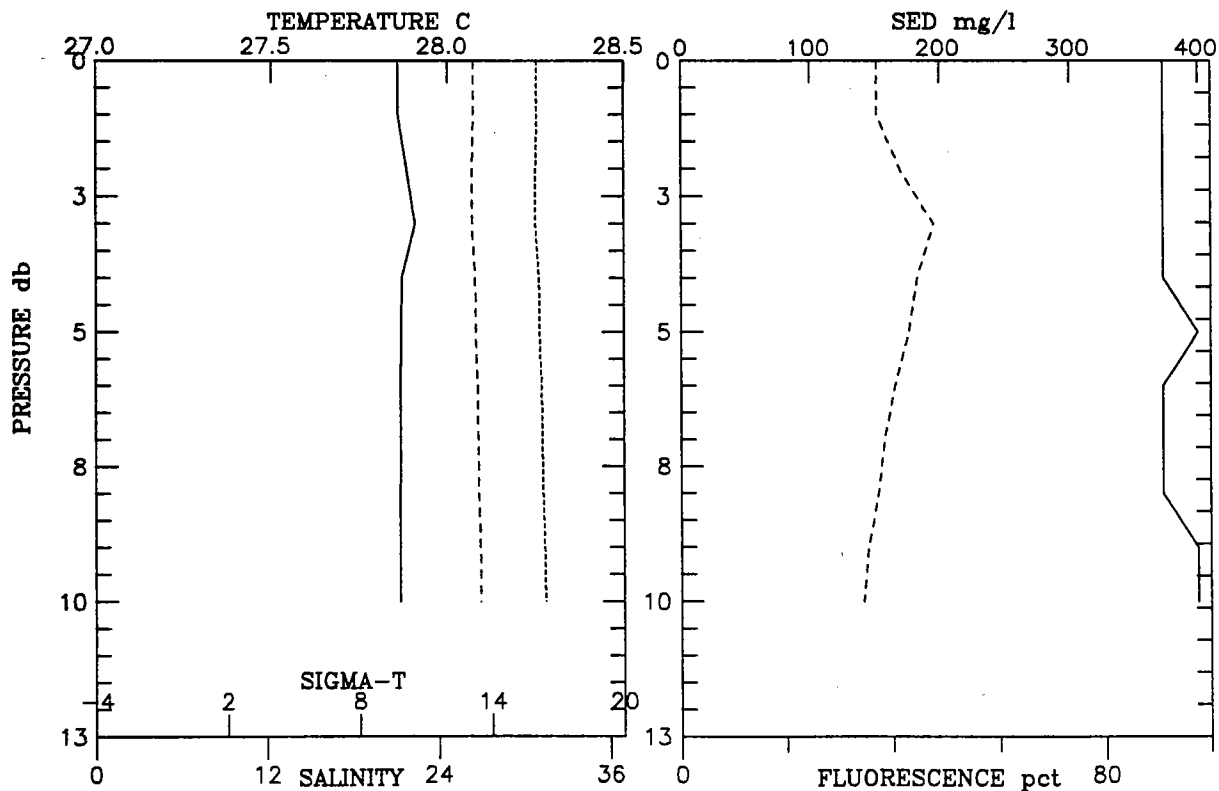
Cruise I9113 Leg 4 Station # 46 Depth m:12.4 Time: 1991-11-22 14:30  
 Position: 1° 59.71'N 49° 47.25'W Depth Deck Offset: 1.65 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 28.004	25.204	15.048	0.0000	0.000	28.3	210.5
1.0	28.004	25.203	15.048	0.0125	0.000	28.3	210.5
2.0	28.022	25.182	15.026	0.0251	0.000	34.2	219.3
3.0	28.036	25.202	15.037	0.0376	0.000	37.6	210.5
4.0	28.035	25.188	15.027	0.0502	0.000	41.2	188.5
5.0	27.935	25.112	15.001	0.0628	0.000	43.6	226.0
6.0	27.863	25.107	15.020	0.0753	0.000	45.2	275.7
7.0	27.833	25.026	14.969	0.0879	0.000	47.1	335.2
8.0	27.807	24.980	14.943	0.1006	0.000	50.4	400.0
9.0	27.775	24.968	14.944	0.1132	0.000	50.4	400.0
10.0	27.763	24.964	14.944	0.1258	0.000	48.2	400.0



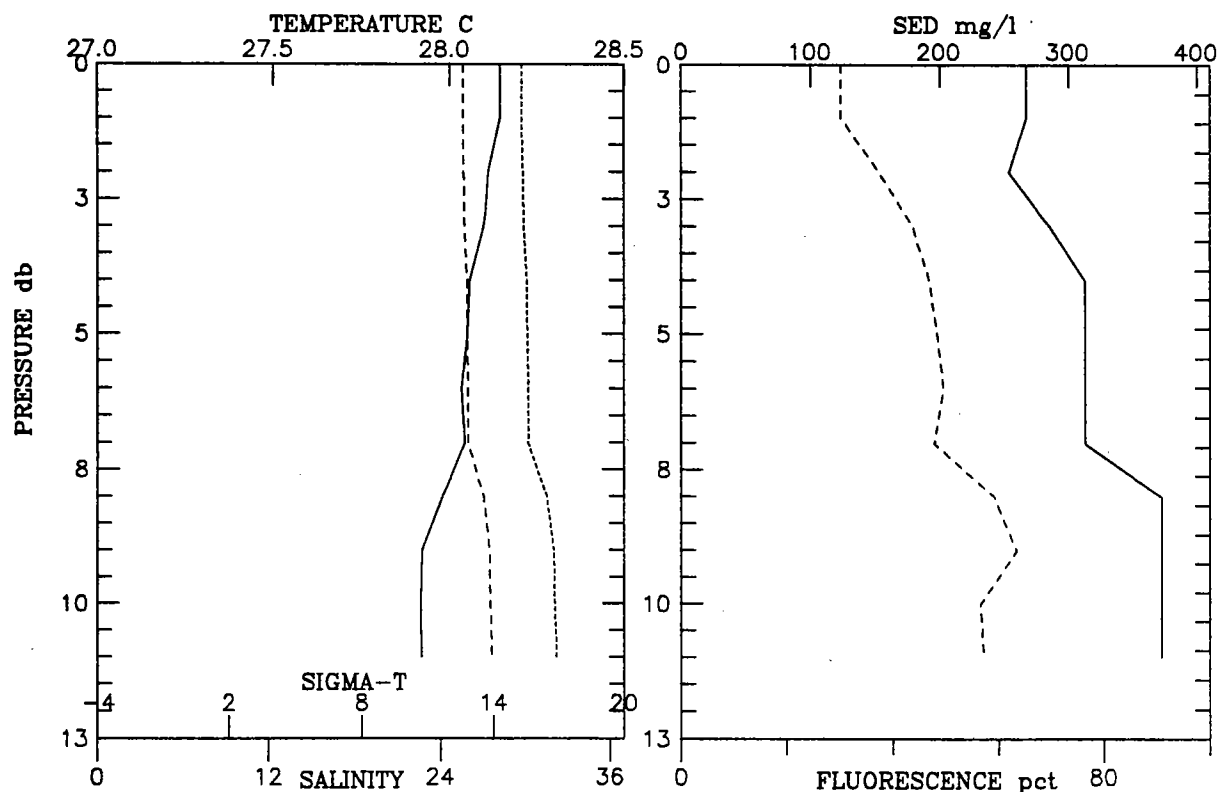
Cruise I9113 Leg 4 Station # 47 Depth m:12.5 Time: 1991-11-22 16:14  
 Position: 0° 47.81'N 49° 39.19'W Depth Deck Offset: 1.58 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.861	26.469	16.040	0.0000	0.000	37.1	372.7
1.0	27.861	26.469	16.040	0.0116	0.000	37.1	372.7
2.0	27.885	26.400	15.981	0.0232	0.000	41.4	372.7
3.0	27.907	26.380	15.959	0.0348	0.000	47.7	372.7
4.0	27.870	26.587	16.126	0.0464	0.000	44.6	372.7
5.0	27.868	26.612	16.145	0.0579	0.000	43.0	400.0
6.0	27.867	26.729	16.233	0.0693	0.000	40.4	372.7
7.0	27.865	26.774	16.267	0.0807	0.000	38.5	372.7
8.0	27.865	26.821	16.302	0.0920	0.000	37.3	372.7
9.0	27.865	26.902	16.363	0.1033	0.000	35.4	400.0
10.0	27.865	26.952	16.401	0.1146	0.000	34.5	400.0



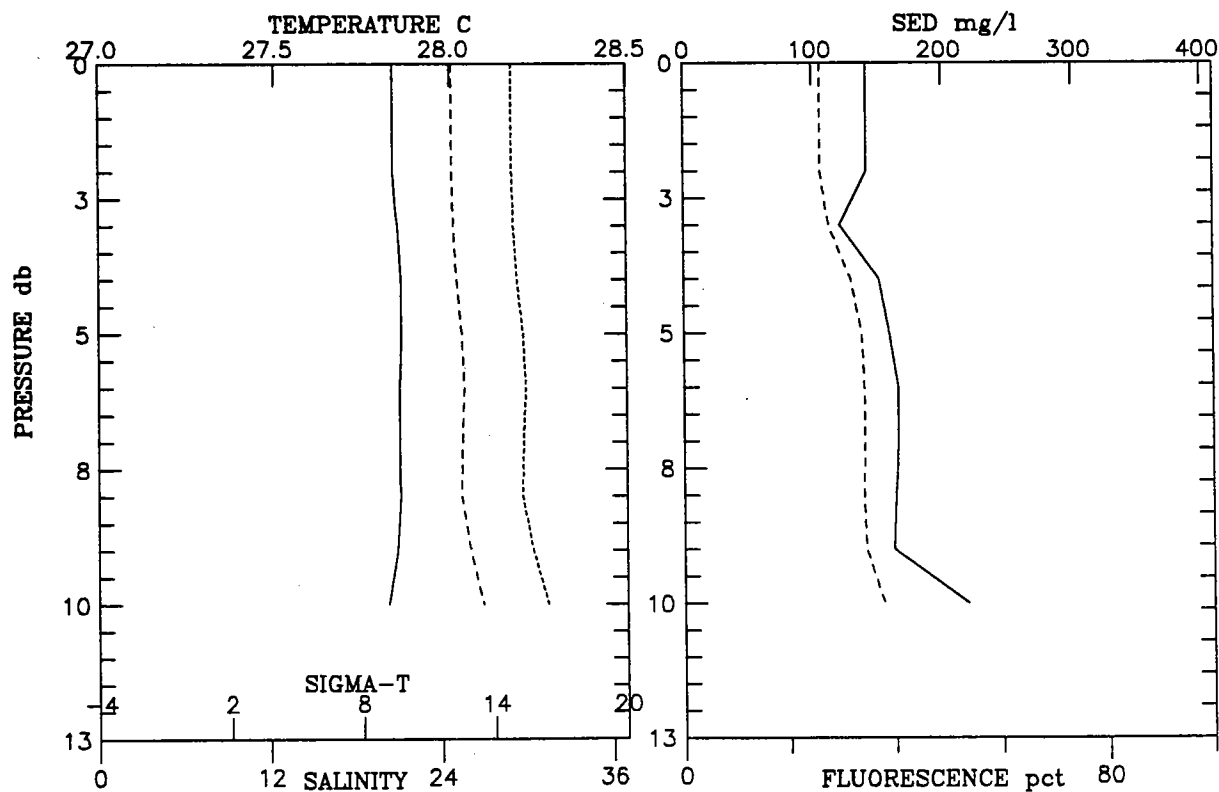
Cruise I9113 Leg 4 Station # 48 Depth m:12.5 Time: 1991-11-22 18:08  
 Position: 0° 36.74'N 48° 30.01'W Depth Deck Offset: 1.65 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	28.144	25.600	15.300	0.0000	0.000	30.2	267.3
1.0		28.144	25.600	15.300	0.0123	0.000	30.2	267.3
2.0		28.111	25.647	15.346	0.0246	0.000	37.4	253.7
3.0		28.097	25.693	15.385	0.0368	0.000	43.7	285.5
4.0		28.057	25.868	15.528	0.0489	0.000	46.8	313.2
5.0		28.051	25.890	15.547	0.0610	0.000	48.3	313.2
6.0		28.033	25.959	15.604	0.0730	0.000	49.5	313.2
7.0		28.043	25.930	15.579	0.0850	0.000	47.8	313.2
8.0		27.978	27.037	16.428	0.0967	0.000	59.1	372.7
9.0		27.921	27.451	16.756	0.1077	0.000	63.3	372.7
10.0		27.917	27.511	16.803	0.1186	0.000	56.5	372.7
11.0		27.919	27.619	16.883	0.1294	0.000	57.1	372.7



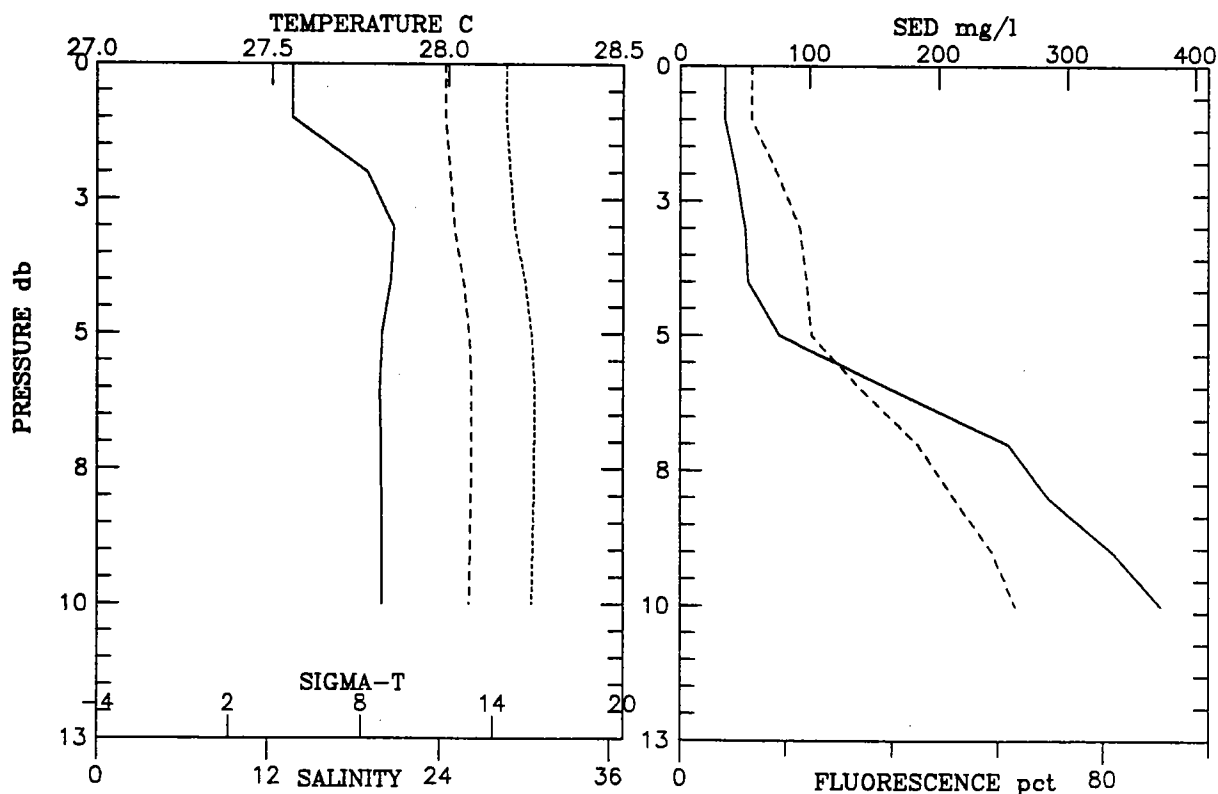
Cruise I9113 Leg 4 Station # 49 Depth m:12.7 Time: 1991-11-22 20:03  
 Position: 0° 24.45'N 48° 22.26'W Depth Deck Offset: 1.43 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.839	24.830	14.820	0.0000	0.000	26.0	142.6
1.0	E	27.838	24.830	14.820	0.0128	0.000	26.0	142.6
2.0		27.838	24.829	14.820	0.0255	0.000	26.0	142.6
3.0		27.852	24.913	14.878	0.0382	0.000	27.6	121.7
4.0		27.860	25.116	15.028	0.0509	0.000	31.7	151.9
5.0		27.860	25.471	15.293	0.0633	0.000	33.8	159.8
6.0		27.855	25.602	15.393	0.0756	0.000	34.2	166.5
7.0		27.854	25.465	15.291	0.0878	0.000	34.3	166.5
8.0		27.856	25.399	15.241	0.1001	0.000	34.1	164.2
9.0		27.848	26.017	15.706	0.1123	0.000	34.5	163.0
10.0		27.822	26.908	16.381	0.1238	0.000	37.8	219.3



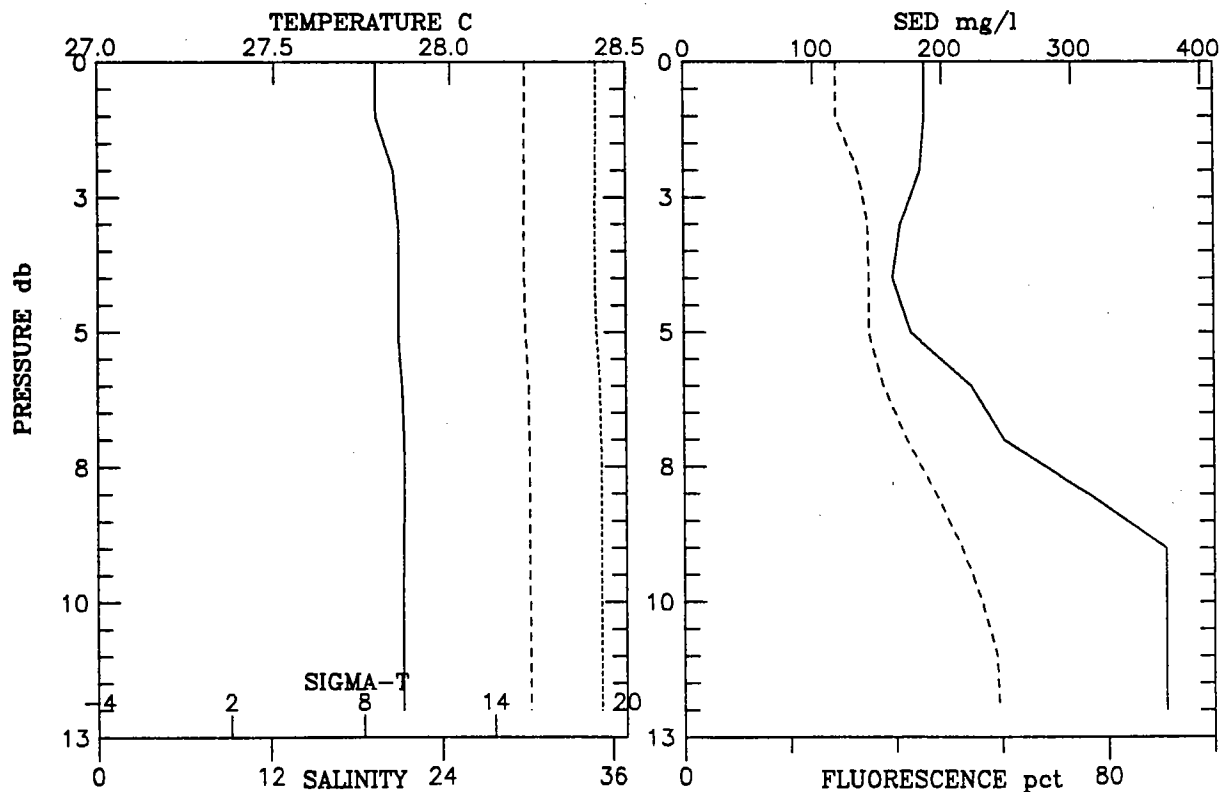
Cruise I9113 Leg 4 Station # 50 Depth m:13 Time: 1991-11-22 21:31  
 Position: 0° 12.62'N 48° 17.13'W Depth Deck Offset: 1.30 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.558	24.450	14.624	0.0000	0.000	13.5	34.4
1.0		27.558	24.450	14.624	0.0129	0.000	13.5	34.4
2.0		27.769	24.783	14.807	0.0258	0.000	18.4	43.4
3.0		27.844	25.068	14.997	0.0385	0.000	22.6	50.7
4.0		27.834	25.689	15.464	0.0509	0.000	23.9	52.3
5.0		27.809	26.088	15.771	0.0628	0.000	24.8	77.0
6.0		27.805	26.274	15.912	0.0746	0.000	34.3	164.2
7.0		27.808	26.251	15.894	0.0863	0.000	44.8	253.7
8.0		27.809	26.228	15.876	0.0980	0.000	51.7	285.5
9.0		27.810	26.144	15.813	0.1098	0.000	58.9	335.2
10.0		27.810	26.091	15.773	0.1216	0.000	63.2	372.7



Cruise I9113 Leg 4 Station # 51 Depth m:14.5 Time: 1991-11-22 23:04  
 Position: 0° 1.59'N 48° 12.14'W Depth Deck Offset: 1.27 Fish 1

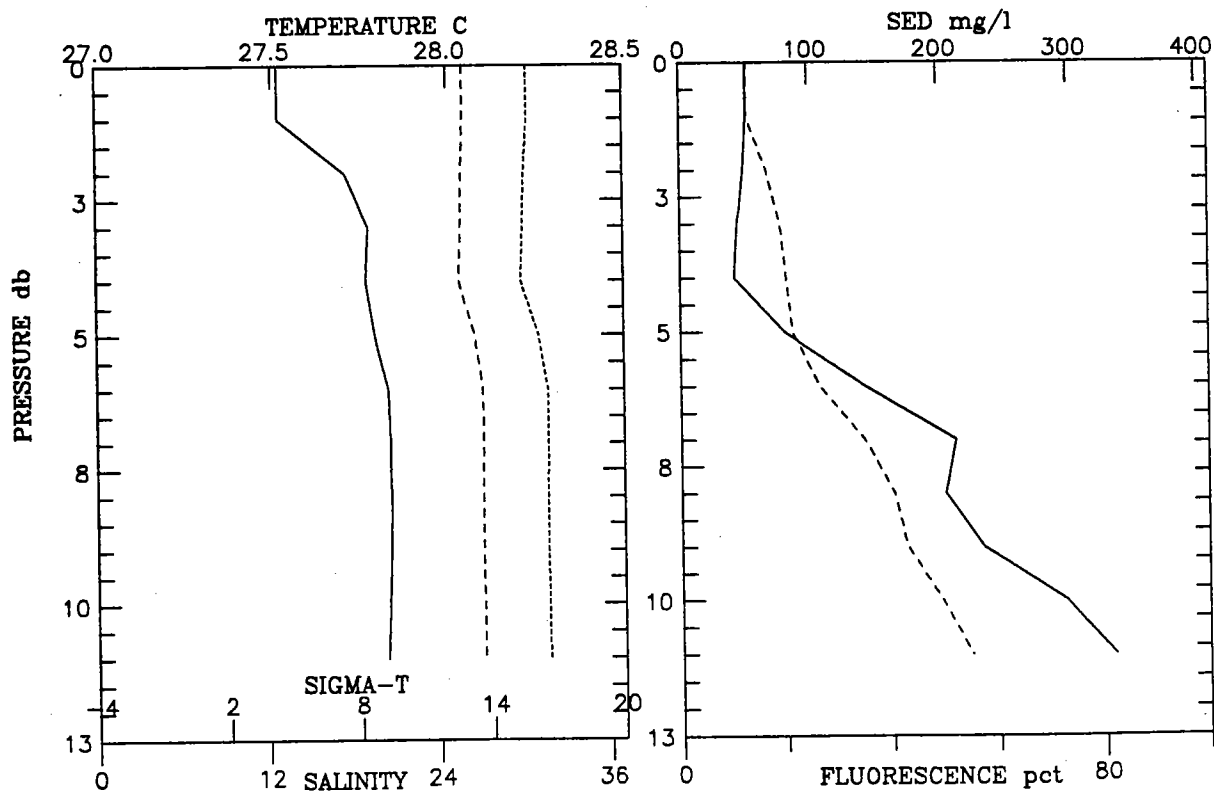
PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E 27.788	29.920	18.650	0.0000	0.000	28.8	186.7
1.0	27.788	29.919	18.650	0.0091	0.000	28.8	186.7
2.0	27.837	29.899	18.619	0.0181	0.000	33.0	183.3
3.0	27.851	29.848	18.576	0.0272	0.000	34.8	167.8
4.0	27.851	29.850	18.577	0.0364	0.000	35.0	161.9
5.0	27.852	29.949	18.652	0.0454	0.000	35.0	175.7
6.0	27.860	30.145	18.796	0.0544	0.000	37.7	222.5
7.0	27.866	30.199	18.835	0.0633	0.000	42.1	248.0
8.0	27.865	30.214	18.846	0.0722	0.000	47.6	313.2
9.0	27.864	30.223	18.853	0.0811	0.000	52.5	372.7
10.0	27.863	30.226	18.856	0.0899	0.000	56.2	372.7
11.0	27.863	30.230	18.859	0.0988	0.000	59.0	372.7
12.0	27.863	30.231	18.860	0.1076	0.000	59.4	372.7





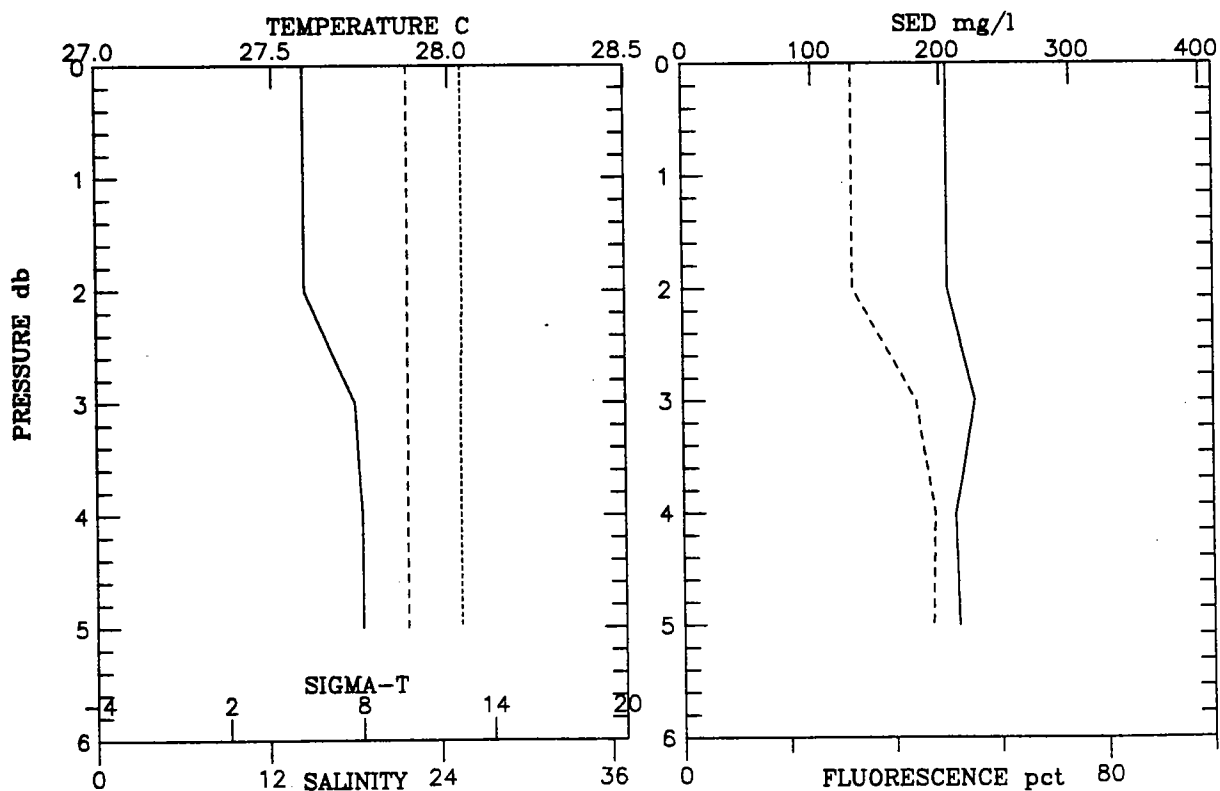
Cruise 19113 Leg 4 Station # 52 Depth m:11 Time: 1991-11-22 23:51  
 Position: 0° 2.19'N 48° 13.23'W Depth Deck Offset: 1.48 Fish 1

PRESSURE (d-bars)	Interp	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.520	25.806	15.651	0.0000	0.000	12.8	52.1
1.0		27.519	25.805	15.651	0.0120	0.000	12.8	52.1
2.0		27.709	25.664	15.485	0.0240	0.000	16.5	49.3
3.0		27.776	25.597	15.414	0.0361	0.000	19.1	44.6
4.0		27.768	25.473	15.323	0.0484	0.000	20.2	42.0
5.0		27.794	26.547	16.120	0.0602	0.000	21.4	81.6
6.0		27.830	27.083	16.510	0.0716	0.000	26.4	143.4
7.0		27.836	27.106	16.526	0.0827	0.000	34.9	213.2
8.0		27.837	27.058	16.489	0.0938	0.000	40.4	205.3
9.0		27.835	27.064	16.494	0.1049	0.000	42.8	233.8
10.0		27.829	27.099	16.522	0.1161	0.000	49.3	297.6
11.0		27.824	27.128	16.546	0.1272	0.000	54.8	335.2



Cruise I9113 Leg 4 Station # 53 Depth m:8.75 Time: 1991-11-23 00:47  
 Position: 0° 8.39'S 48° 13.25'W Depth Deck Offset: 1.35 Fish 1

PRESSURE Interp (d-bars)	TEMP (deg C)	SALINITY (0/00)	SIGMA-T ( $\sigma$ )	DELTA-D	OXYGEN (ml/l)	FLUORES (%)	SED CONC (mg/l)
0.0	E	27.587	21.753	12.597	0.0000	0.000	32.1
1.0	E	27.587	21.753	12.597	0.0149	0.000	32.1
2.0		27.587	21.752	12.596	0.0298	0.000	32.1
3.0		27.730	21.699	12.513	0.0448	0.000	44.0
4.0		27.749	21.692	12.502	0.0598	0.000	47.5
5.0		27.750	21.693	12.502	0.0748	0.000	47.0





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<b>16. Abstract (Limit: 200 words)</b>  Hydrographic (CTD) and acoustic Doppler current profiler (ADCP) observations were made on the North Brazil shelf adjacent to the mouth of the Amazon River during R/V <i>Iselin</i> cruise I9113 November 5-25, 1991 as part of A Multidisciplinary Amazon Shelf SEDiment Study (AMASSEDS). These observations were obtained during a large-scale survey on Leg 3 in support of geological and geochemical sampling, and during a frontal zone survey on Leg 4 consisting of 14 and 26 hourly CTD casts at anchored stations. The maximum sampling depth at each station was within two meters of the bottom.  The primary objectives of the AMASSEDS hydrographic measurement program were (a) to observe and characterize the temperature, salinity, density, oxygen, fluorescence and light transmission fields and their spatial variability on the north Brazilian shelf directly influenced by the Amazon River discharge, (b) to resolve the seaward extent and vertical structure of the surface plume of low salinity Amazon River water during different stages of river discharge, (c) to describe the spatial structure of the turbidity and associated suspended sediment distributions across the shelf, (d) to characterize the properties of the Amazon shelf water beneath the surface plume and their seasonal variability, and (e) to describe the landward penetration of the North Brazil Current with respect to water properties and shelf currents. This report represents a summary in graphic and tabular form of the hydrographic observations made during the fourth AMASSEDS cruise (I9113) on the R/V <i>Iselin</i> .												
<b>17. Document Analysis a. Descriptors</b>  <table border="0"> <tr> <td>1. hydrography</td> <td>4. North Brazil coastal region</td> <td>7. equator</td> </tr> <tr> <td>2. CTD</td> <td>5. Amazon River</td> <td>8. equatorial</td> </tr> <tr> <td>3. suspended sediment</td> <td>6. AMASSEDS (A Multidisciplinary Amazon Shelf SEDiment Study)</td> <td></td> </tr> </table> <b>b. Identifiers/Open-Ended Terms</b>    <b>c. COSATI Field/Group</b>				1. hydrography	4. North Brazil coastal region	7. equator	2. CTD	5. Amazon River	8. equatorial	3. suspended sediment	6. AMASSEDS (A Multidisciplinary Amazon Shelf SEDiment Study)	
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3. suspended sediment	6. AMASSEDS (A Multidisciplinary Amazon Shelf SEDiment Study)											
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